EDIROL

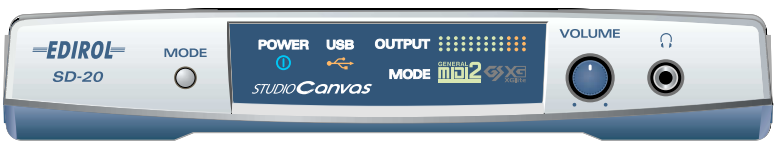
STUDIO Canvas SD-20

24bit Digital

Owner's Manual
Bedienungsanleitung
Mode d'emploi
Manuale d'uso
Manual del usuario

Thank you, and congratulations on your choice of the SD-20.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (Owner's manual pp. 3--5). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manualshould be read in its entirety. The manual should be saved and kept on hand as a convenient reference.



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For the U.K.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

For EU Countries

CE

This product complies with the requirements of European Directive 89/336/EEC.

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For the USA

DECLARATION OF CONFORMITY
Compliance Information Statement

Model Name : SD-20
Type of Equipment : Sound Module
Responsible Party : Edirol Corporation North America
Address : 425 Sequoia Drive, Suite 114, Bellingham, WA 98226
Telephone : (360) 594-4276

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠WARNING and ⚠CAUTION Notices

⚠WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings.The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⃠ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual.
- Do not open (or modify in any way) the unit or its AC adaptor.
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest EDIROL / Roland Service Center, or an authorized EDIROL / Roland distributor, as listed on the "Information" page.
- Never use or store the unit in places that are:
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
  - Damp (e.g., baths, washrooms, on wet floors); or are
  - Humid; or are
  - Exposed to rain; or are
  - Dusty; or are
  - Subject to high levels of vibration.
- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.

⚠WARNING

- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.
- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!
- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.
- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

⚠WARNING

- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
  - The AC adaptor or the power-supply cord has been damaged; or
  - Objects have fallen into, or liquid has been spilled onto the unit; or
  - The unit has been exposed to rain (or otherwise has become wet); or
  - The unit does not appear to operate normally or exhibits a marked change in performance.

- Immediately turn the power off, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
  - Objects have fallen into, or liquid has been spilled onto the unit; or
  - The unit has been exposed to rain (or otherwise has become wet); or
  - The unit does not appear to operate normally or exhibits a marked change in performance.

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

- Protect the unit from strong impact. (Do not drop it!)

- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts / amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

⚠WARNING

- DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.

⚠ CAUTION

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.

- Always grasp only the plug or the body of the AC adaptor when plugging into, or unplugging from, an outlet or this unit.

- Whenever the unit is to remain unused for an extended period of time, disconnect the AC adaptor.

- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

- Never climb on top of, nor place heavy objects on the unit.

- Never handle the AC adaptor body, or its plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit.

- Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.

- Disconnect all cords coming from external devices before moving the unit.

- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet .

- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.

- Should you remove the optical connector caps, make sure to put them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.

IMPORTANT NOTES

In addition to the items listed under "USING THE UNIT SAFELY" on page 3--4, please read and observe the following:

Power Supply

- Do not use this unit on the same power circuit with any device that will generate line noise (such as an electric motor or variable lighting system).
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and / or damage to speakers or other devices.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- To avoid possible breakdown, do not use the unit in a wet area, such as an area exposed to rain or other moisture.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and / or deformation.

Additional Precautions

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Use a cable from Roland to make the connection. If using some other make of connection cable, please note the following precautions.
  - Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

Handling CD-ROMs

- Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.

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Features of the SD-20

32-part, 64-voice polyphony

Complete studio module including 32-part MIDI synthesizer and 64-voice polyphony for computer music, karaoke, huge orchestrations and more….

GM2/GS/XGlite 660 tones, 23 drum sets

The standard GM2 / GS / XGlite compatible sound selections provide a variety of music genres such as classicals, contemporary, pop and beyond… Play the realistic instruments tones from Grand Pianos, Rippin' Guitars, Jazzy Sax and ethnic drums!!

Optical Digital Output (S/P DIF)

Optical digital connection allows for exceptional MIDI sound quality output not found on any sound module in its price range.

USB bus powered, adaptor free

USB connection supplies power as well as data. The convenience of having all the mobile elements of music production.

Easy connection to computer (Serial / USB)

Legacy compatible with serial computers or simply connect through USB for Mac or PC.

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* GS ( ) is a registered trademark of Roland Corporation.
* Microsoft and Windows are registered trademarks of Microsoft Corporation.
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* Windows® XP is known officially as: "Microsoft® Windows® XP operating system."
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* OMS is a registered trademark of Opcode Systems, Inc.
* FreeMIDI is a trademark of Mark of the Unicorn, Inc.

Check the contents of the package

The following items are included in the SD-20 package. After opening the package, check to see whether any items are missing. If any items are missing, please contact the dealer from whom you purchased the SD-20.

* *The SD-20 package does not include an external amp or speakers, or headphones. You will need to provide these separately.*

MEMO

You may want to mark the relevant check box as you confirm the presence of each item.

☑

❑SD-20

The **SD-20** is a 32-part, 64-voice multitimbral sound module.
It supports **General MIDI 2**, **GS format** (the universal specification for Roland sound generators), and the **XGlite** promoted by Yamaha Corporation.

❑AC adaptor

This is the only AC adaptor you should use with the SD-20.
Do not use any AC adaptor other than the supplied one, since doing so may cause malfunction.

❑CD-ROM

This contains drivers used by the SD-20 and demo songs.
On the disc, you'll also find a PDF file containing detailed information that should prove helpful if you intend to make full use of the SD-20's advanced functionality (Appendix.pdf).

DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.

MEMO

Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.

❑USB cable

❑Conversion cable

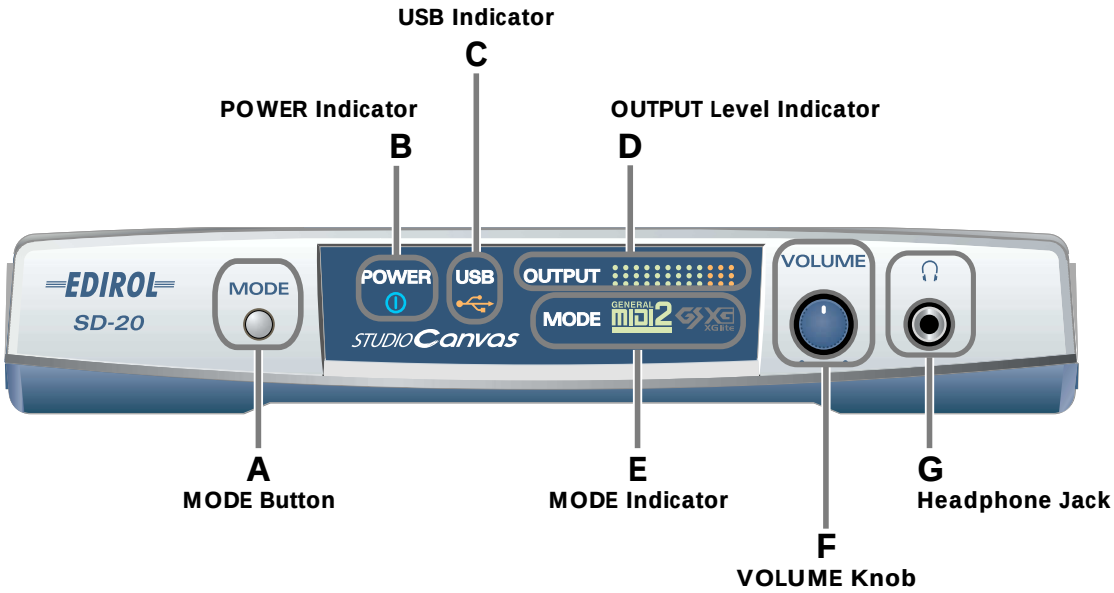
Stereo miniature phone type <-> RCA phono type

☑Owner's Manual

This is the manual you are holding. Please read this first.
This manual explains how to install the drivers and make the settings required in order to use the SD-20. Please read the sections that are relevant to your system.

Names of things and what they do

Front Panel



A. MODE Button

The sound-module mode changes each time you press this button. (->**About the sound generator modes** (p. 14))

Order of selection

Native mode (at power-up) -> GM2 -> GS -> XGlite

B. POWER Indicator

Lights in blue when the power is on.

C. USB Indicator

Lights in orange when data can be transmitted or received via USB.

D. OUTPUT Level Indicator

This will light in four stages to indicate the output level of the sound module.

E. MODE Indicator

This indicates the sound-module mode that's been selected using the **MODE button**.

F. VOLUME Knob

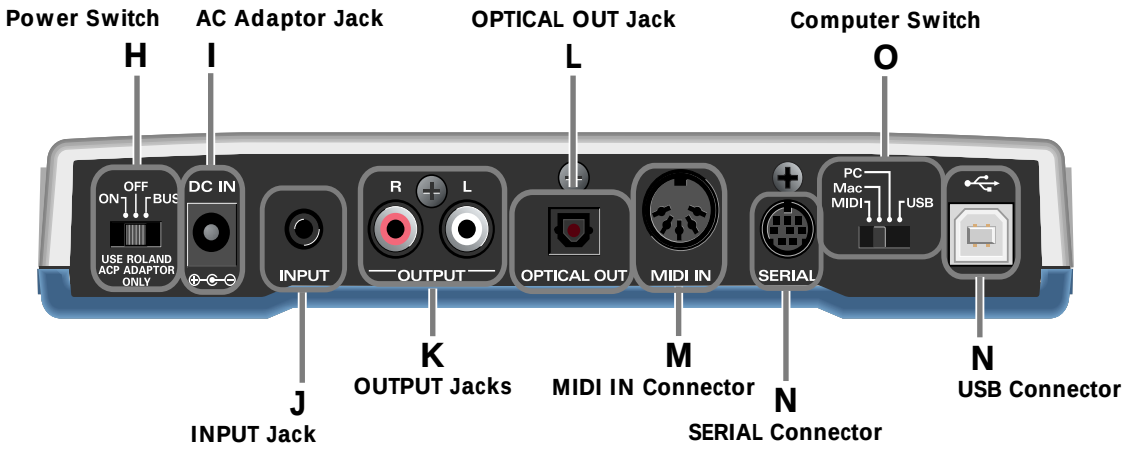
This adjusts the volume that is output from the **headphone jack** and the **OUTPUT jacks**.

G. Headphone Jack

A set of headphones can be connected to this jack.

Sound will still be output from the **OUTPUT jacks** even if headphones are connected.

Rear Panel



H. Power Switch

Provides for selection of either ON, OFF, or BUS as the setting for the power supply.

BUS POWER

The SD-20 can be operated on bus power.

"**Bus power**" refers to power that is supplied to the SD-20 from a computer via a USB cable. In this case, it is not necessary to connect the AC adaptor.

* *Depending on the manner in which your computer supplies power to the USB connector, you may not be able to run the SD-20 on bus power. In this case, please use the supplied AC adaptor.*

I. AC Adaptor Jack

Connect the supplied AC adaptor to this jack.

J. INPUT Jack

Connect the audio output jack of your computer sound card or audio device to this jack. The sound that is input here will be mixed with the sound of the SD-20, and output from the **OUTPUT jacks** and the **headphone jack**.

K. OUTPUT Jacks

These jacks output the sound produced by the SD-20 sound generator in combination with the sound that is input through the **INPUT jack**.

L. OPTICAL OUT Jack

This jack outputs the sound of the SD-20 sound generator. Sound being input through the INPUT jack will not be mixed in.

M. MIDI IN Connector

Connect your MIDI keyboard or MIDI controller to this connector.

N. SERIAL Connector

Use this connector if you want to connect the SD-20 to your computer via a computer cable.

O. Computer Switch

Set this switch as appropriate for the computer or interface to which the SD-20 is connected.

* *If you change the setting of the computer switch, the SD-20 must be restarted. Turn the SD-20's power switch OFF, then ON again.*

USB	If using a USB connection
Mac	If using a serial connection to Macintosh
PC	If using a serial connection to Windows
MIDI	If connected to an external MIDI device * *Never connect a USB cable when the Computer switch is set to MIDI.*

P. USB Connector

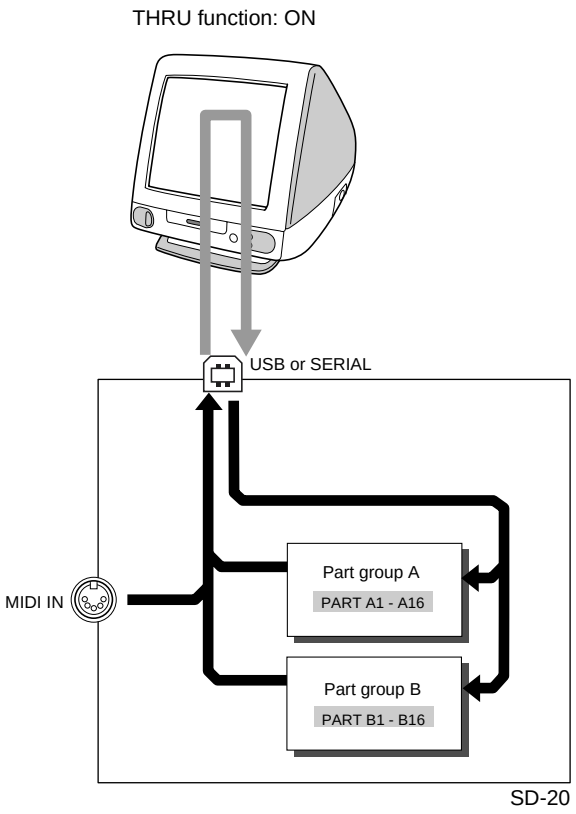
Use this connector if you want to connect the SD-20 to your computer via a USB cable.

Exchanging MIDI data with your computer

There are three ways to connect the SD-20 to your computer and play it.

Method	Number of available parts
Using the USB connector	Maximum 32 parts
Using the serial connector	Maximum 32 parts
Using the MIDI connector	Maximum 16 parts

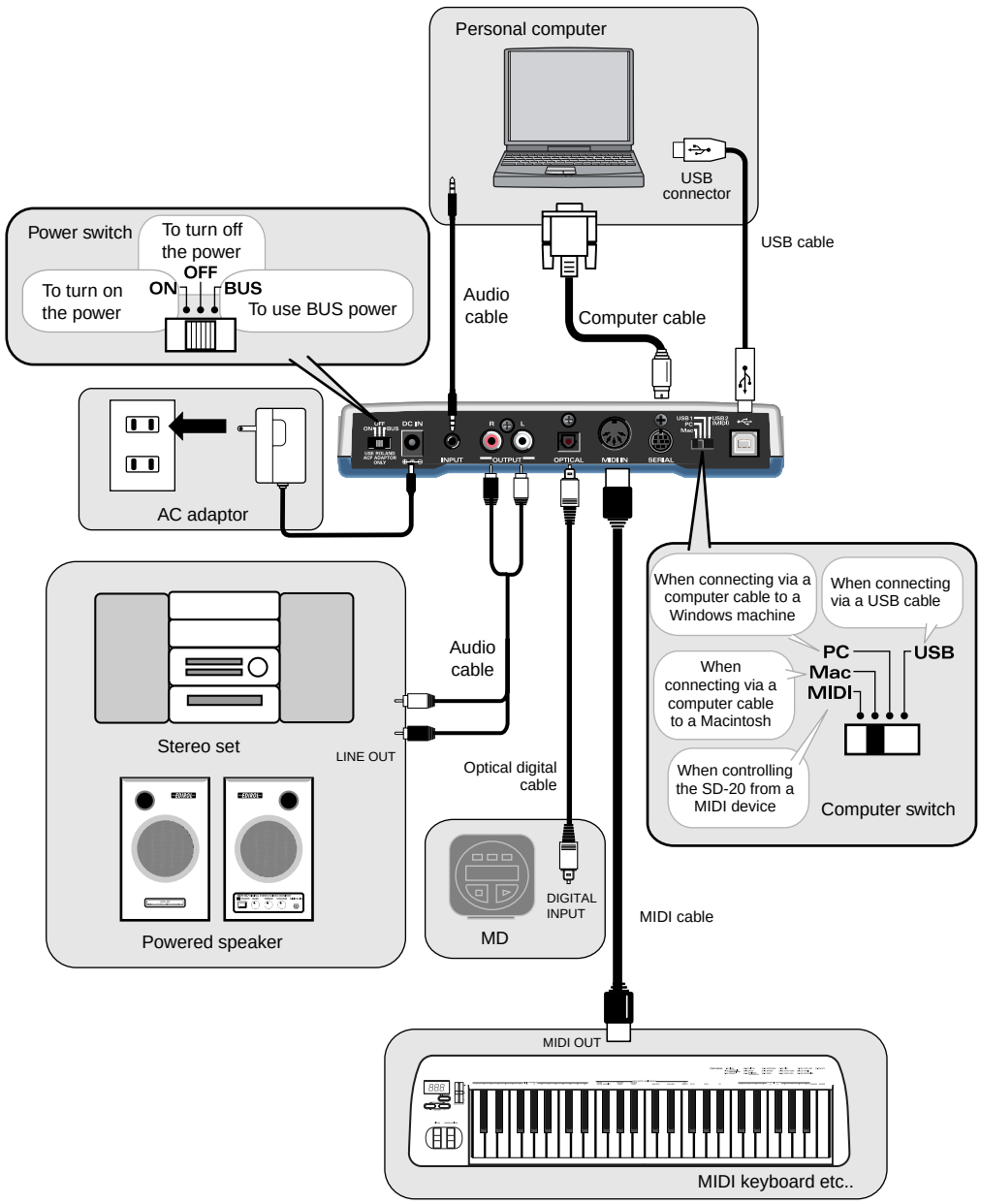
* *Your computer needs to be equipped with a MIDI interface board or adaptor if you intend to use the MIDI connector*



The number of sound generator parts that can be controlled will depend on your software. Refer to the owner's manual for the software you are using.

Basic connections

* *To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.*
* *To avoid short circuits or broken connections, grasp the plug when disconnecting a cable.*
* *Use the included cables to make connections. If you are using a connection cable made by another manufacturer, please note the following.*
  - *Some connection cables contain a resistor. Do not use a cable with a built-in resistor to connect with the SD-90. Doing so may make the sound extremely weak, or inaudible. For details on your cable, please contact its manufacturer.*



About the sound generator modes

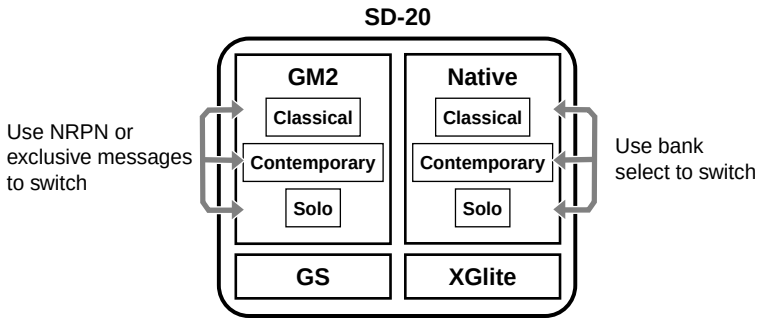
The SD-20 has four sound generator modes: Native, GM2, GS, and XGlite. GM2 and Native modes offer three sound sets.

■ Native mode

This mode is unique to the SD-20. It provides three sound sets that can be switched using MIDI bank select messages.
The way in which sounds are selected is different than in GM2 mode. For this reason, song data you create in Native mode will not play back correctly on GM2 sound modules other than the SD-20.
Other functions are the same as in GM2 mode.

Sound sets in GM2/Native modes

The sound sets in GM2 mode and Native mode consist of three variations, which are classified according to their characteristics.



Classical

This is the basic sound set that blends well into an ensemble. This set is also used when GM2 data compatibility is important.

Contemporary

This sound set emphasizes the realism of each individual instrument. It contains numerous sounds that use velocity switching for expressive dynamics.

Solo

This sound set contains mainly sounds that are designed to be distinctive when used to play solos. These sounds include spacious stereo-sampled sounds, as well as sounds that are switched by velocity.

■ GM2 mode

This sound generator mode is compatible with the "**GM2**" sound generator format.
GM2 is "recommended practice," and it is backwardly compatible with GM. It was created in order to allow more sophisticated performance expression and greater compatibility. It includes detailed definitions concerning sound editing and the use of effects (things that weren't covered by the earlier GM format), and it also expands the sound set. GM2-compatible sound generators will correctly play back music data bearing either the GM or GM2 logos.
When it is necessary to make a distinction, this manual will sometimes refer to "GM1" to indicate the earlier GM format which does not include the extended specifications of GM2.

■ GS mode

This sound generator mode supports the "**GS**" sound generator format promoted by Roland Corporation.
In addition to the General MIDI functionality, this format expands the sound set, and also enhances compatibility by providing detailed specifications for functionality such as sound editing and effects (reverb and chorus). For flexibility in meeting future needs, it also provides for the addition of new sounds and expanded functionality. Since the GS format is compatible with GM, it allows GM scores to be played in the same way as GS music data (music data created in conformity with the GS format).

■ XGlite mode

XG is a sound generator format promoted by Yamaha Corporation, which is based on GM1 (General MIDI 1). It provides detailed specifications concerning expansion of the sound sets, editing methods, and effects structures and types.
XGlite is a reduced-functionality ("lite") version of XG, which allows simple playback of XG music data on a sound generator bearing the XGlite logo. Since XGlite has some limitations on the parameters and effects that can be controlled, the XG music data may sound different than the original data.

About parts and sounds

The SD-20 is able to produce 32 different sounds at once. A sound generator such as the SD-20 that is able to produce many different sounds simultaneously is called a "**multitimbral sound module**." "Timbre" refers to the unique characteristics that result in the sound of one instrument being different from that of another. The ability to simultaneously produce 32 different instrument sounds means that, using the analogy of an orchestra, you can produce an ensemble consisting of 32 different instrumental parts. On the SD-20, the sound produced by each part is called an **Instrument** (**"Instrument list (GM2 / Native mode)** "(p. 247)). You can assign a desired instrument to each of the 32 parts, creating a 32-part ensemble.

Different types of part

The SD-20 has 32 parts, which are divided into groups A and B. Each group is numbered from 01-16; i.e., A01-A16 and B01-B16.
Each part can be set either as an **Inst part** or a **Drum part**. Inst parts are used to play melody, bass, etc. Drum parts are used to play percussion-type sounds. This setting is called the **Part Mode**.
By default, the following part mode is selected for each part.

Part mode	Corresponding parts
Inst part	A01-09, A11-16, B01-09, B11-16
Drum part	A10, B10

When using the MIDI connector to play the SD-20

When using the MIDI connector to play the SD-20, MIDI IN is correlated with Group A.
In other words, the MIDI messages received at MIDI IN will be passed to the Group A parts.
For example, MIDI messages arriving on channel 5 at MIDI IN will sound part 5 of group A (A05) (at the default settings). When using the MIDI IN connector to play the SD-20, it is not possible to play the Group B parts.

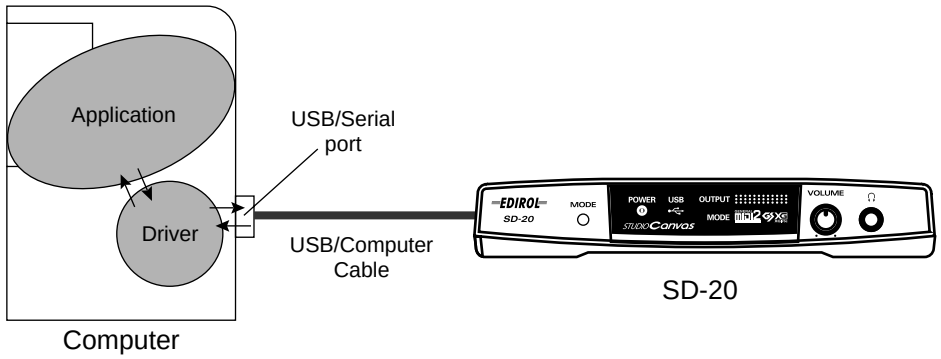
Polyphony and voices

Each of the SD-20's sounds consist of units called "**voices**." There is a limit to the number of voices that can be used, and the SD-20 is able to use **64 voices** simultaneously. Some sounds (instruments) use more than one voice (**"Instrument list (GM2 / Native mode)** "(p. 247)). The main reason that an instrument uses some voices is so that velocity can be used to shift between different sounds, or so that multiple sounds can be layered to create a richer tone.

When you attempt to play more than 64 voices on the SD-20, the most-recently played note will be given priority, and the oldest of the currently-sounding notes will be turned off one by one. If you are using only instruments that consist of only one voice, you will be able to play 64 notes simultaneously. However, if you use instruments that consist of two or four voices, fewer than 64 notes can be played simultaneously. Even if a MIDI note-off message is received, a voice will continue to be used as long as that note continues to sound. You need to remain aware of this, particularly when using sounds that have a long release time.

Getting connected and installing drivers (Windows)

What is a driver?



A "driver" is software that transfers data between the SD-20 and application software running on your computer, when your computer and the SD-20 are connected by a USB cable. The driver sends data from your application to the SD-20, and from the SD-20 to your application.

The SD-20 is able to operate using the "**BUS power**" that is supplied via the USB cable. This means that the supplied AC adaptor is not necessary. However, if you are using a USB hub, or if not enough power can be supplied via USB, the SD-20 may not operate correctly. In this case, connect the supplied AC adaptor power supply to the SD-20.
When installing the driver, you must connect the AC adaptor and turn the POWER switch ON.

Which type of connection?

You can either use the USB cable, or use the computer cable to make a serial connection. Depending on the type of connection you are using, install the appropriate driver and make the appropriate settings.

USB connection .....(p. 18)

Serial connection .....(p. 29)

USB connection

The following items are required for connections and installation. Please have the following items ready.

- SD-20
- AC adaptor
- USB cable
- CD-ROM

The installation procedure will differ depending on your system.
Please proceed to one of the following sections, depending on the system you use.

- Windows XP users ..... (p. 18)
- Windows 2000 users..... (p. 23)
- Windows Me/98 users ..... (p. 27)

■ Windows XP users

1

With the SD-20 disconnected, start up Windows.

Disconnect all USB cables except for a USB keyboard and USB mouse (if used).

2

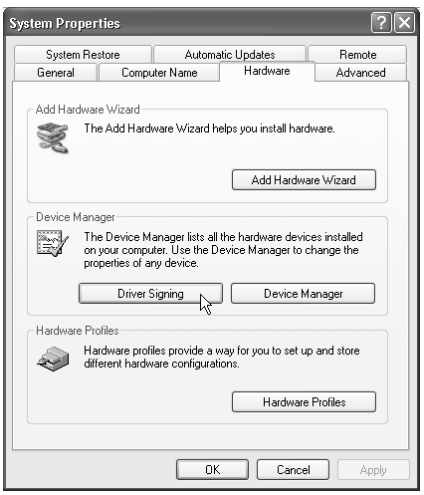
Open the **System Properties** dialog box.

1. Click the Windows **Start** menu, and from the menu, select **Control Panel** .
2. In " **Pick a category**," click "**Performance and Maintenance**."
3. In "**or pick a Control Panel icon,**" click the **System** icon.

3

Open the **Driver Signing Options** dialog box.

Click the **Hardware** tab, and then click **[Driver Signing]**.



NOTE

If you are using Windows XP Professional, you must log on using a user name with an administrative account type (e.g., Administrator). For details on user accounts, please consult the system administrator of your computer.

MEMO

Depending on how your system is set up, the **System** icon may be displayed directly in the **Control Panel** (the Classic display). In this case, double-click the System icon.

4

Make sure that "**What action do you want Windows to take?**" is set to "**Ignore**."

If it is set to "**Ignore**", simply click **[OK]**.
If it is not set to "**Ignore**", make a note of the current setting ("Warn" or "Block"). Then change the setting to "**Ignore**" and click **[OK]**

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

5

Close the **System Properties** dialog box.

Click **[OK]**.

6

Exit all currently running software (applications).

Also close any open windows. If you are using virus checking or similar software, be sure to exit it as well.

7

Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive of your computer.

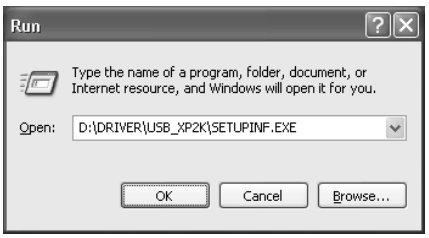
8

Open the "**Run...**" dialog box.

Click the Windows **start** button. From the menu that appears, select "**Run...**"

9

In the dialog box that appears, input the following into the "**Open**" field, and click **[OK]**.



D:\DRIVER\USB_XP2K\SETUPINF.EXE

* *The drive name "**D:**" may be different for your system. Specify the drive name of your CD-ROM drive.*

MEMO

If you changed "**What action do you want Windows to take?**" in step 4, you must restore the previous setting after you have installed the driver. (->**If you changed "What action do you want Windows to take?"** (p. 22))

MEMO

In this manual, the location of folders and files is given in terms of the file path, using **** as the delimiter. For example, **USB_XP2K\SETUPINF.EXE** indicates the **SETUPINF.EXE** file found in the **USB_XP2K** folder.

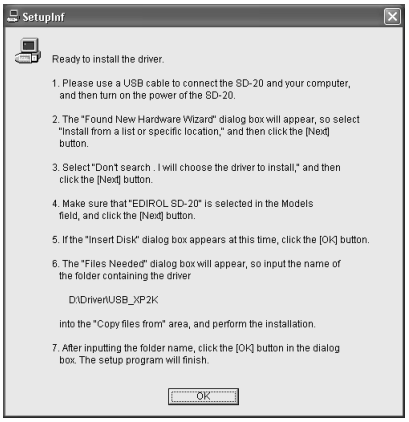
English
Deutsch
Français
Italiano
Español

10

The **SetupInf** dialog box will appear.

You are now ready to install the driver.

* *Do not click **[OK]** at this time.*


SetupInf
Ready to install the driver.
1. Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
2. The "Found New Hardware Wizard" dialog box will appear, so select "Install from a list or specific location," and then click the [Next] button.
3. Select "Don't search . I will choose the driver to install," and then click the [Next] button.
4. Make sure that "EDIROL SD-20" is selected in the Models field, and click the [Next] button.
5. If the "Insert Disk" dialog box appears at this time, click the [OK] button.
6. The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
D:\Driver\USB_XP2K
into the "Copy files from" area, and perform the installation.
7. After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

11

Connect the SD-20.

1. Set the **computer switch** of the SD-20 to **USB**.
2. With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.
3. Plug the **AC adaptor** into an AC power outlet.
4. Use the **USB cable** to connect the **SD-20** to your **computer**.

12

Set the SD-20's power switch to the ON position.

Near the task bar, your computer will indicate "**Found New Hardware**." Please wait.

13

The **Found New Hardware** wizard will appear.

Make sure that the screen indicates "**EDIROL SD-20**," select "**Install from a list or specific location (Advanced)**," and click **[Next]**.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
EDIROL SD-20
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

14

The screen will indicate "**Please choose your search and installation options**."

Select "**Don't search. I will choose the driver to install**," and click **[Next]**.

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
E:\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

MEMO

If a message of "**The driver is already installed**" appears, you can connect the SD-20 to your computer and use it.

NOTE

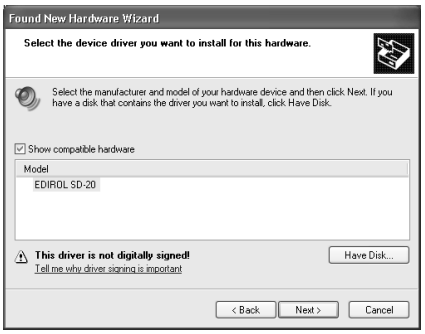
Even if you will normally be using the SD-20 with BUS power, please use the AC adaptor while you are installing the driver and making settings.

MEMO

This unit is equipped with protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

15

Make sure that the "**Model**" field indicates "**EDIROL SD-20**," and click **[Next]**. Driver installation will begin.


Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
EDIROL SD-20
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

If in step 4 the "**What action do you want Windows to take**?" setting was not set to "Ignore", a "Digital signature not found" dialog box will appear.

If "What action do you want Windows to take?" is set to "Warn,"

1. Click **[Continue Anyway]**.
2. Continue the installation.

Hardware Installation
The software you are installing for this hardware:
EDIROL SD-20
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

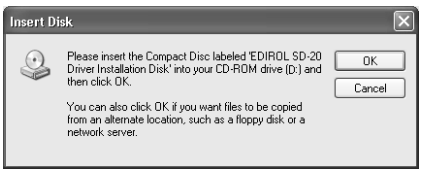
If "What action do you want Windows to take?" is set to "Block"

1. Click **[OK]**.
2. When the "**Found New Hardware Wizard**" appears, click **[Finish]**.
3. Perform the installation as described in the "**Troubleshooting**" section on **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235).

16

The **Insert Disk** dialog box will appear.

Click **[OK]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (D:) and then click OK.
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.
OK
Cancel

17

The **Files Needed** dialog box will appear.

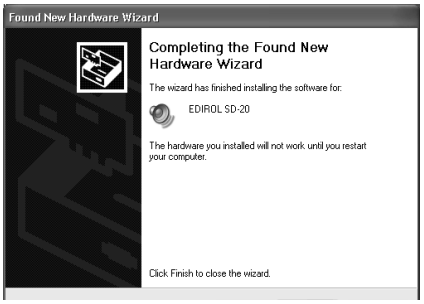
In the "**Copy files from**" area, type "**D:\DRIVER\USB_XP2K**" and click **[OK]**.

Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

18

The **Found New Hardware** wizard will appear.

Make sure that the display indicates "**EDIROL SD-20**," and click **[Finish]**.
Wait until "**Found New Hardware**" appears near the taskbar.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
EDIROL SD-20
The hardware you installed will not work until you restart your computer.
Click Finish to close the wizard.

19

Restart Windows.

When driver installation has been completed, the **System Setting Change** dialog box will appear. Click **[Yes]**.

If you changed "What action do you want Windows to take?"

If you changed the **What action do you want Windows to take?** setting in step 5, restore the original setting after Windows restarts.

1. If you are using Windows XP Professional, log on to Windows using the user name of an administrative account (e.g., Administrator).
2. Click the Windows **start** menu, and from the menu, select **Control Panel**.
3. In "**Pick a category**," click "**Performance and Maintenance**."
4. In "**or pick a Control Panel icon**," click the **System** icon. The System Properties dialog box will appear.
5. Click the **Hardware** tab, and then click **[Driver Signing]**. The **Driver Signing Options** dialog box will appear.
6. Return the **What action do you want Windows to take?** setting to the original setting (either "Warn" or "Block"), and click **[OK]**.
7. Click **[OK]**. The **System properties** dialog box will close.

Next, you need to make the driver settings.
(-> **Settings and checking** (p. 39)**)**

■ Windows 2000 users

1

With the SD-20 disconnected, start up Windows.

Disconnect all USB cables except for a USB keyboard and USB mouse (if used).

2

Log on to Windows as a **user with administrative privileges** (such as Administrator).

3

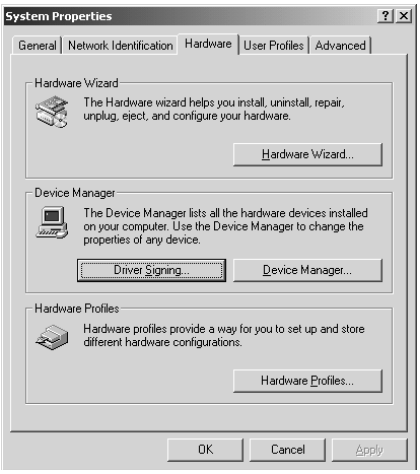
Open the **System Properties** dialog box.

Click the Windows **Start** button, and from the menu that appears, select **Settings | Control Panel**. In **Control Panel**, double-click the **System** icon.

4

Open the **Driver Signing Options** dialog box.

Click the **Hardware** tab, and then click **[Driver Signing]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

5

Make sure that "**File signature verification**" is set to "**Ignore**."

If it is set to "**Ignore**", simply click **[OK]**.

If it is not set to "**Ignore**", make a note of the current setting ("Warn" or "Block"). Then change the setting to "**Ignore**" and click **[OK]**.

Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

6

Close the **System Properties** dialog box.

Click **[OK]**.

MEMO

If you changed the "File signature verification" setting in step 5, restore the original setting after Windows restarts. (->**If you changed "File signature verification"** (p. 26))

7 Exit all currently running software (applications).

Also close any open windows. If you are using virus checking or similar software, be sure to exit it as well.

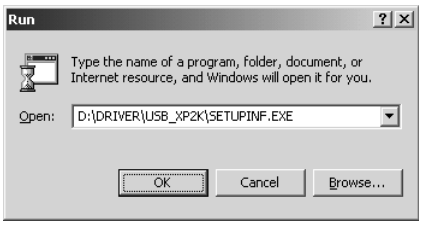
8 Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive of your computer.

9 Open the "**Run...**" dialog box.

Click the Windows **Start** button. From the menu that appears, select "**Run...**"

10 In the dialog box that appears, input the following into the "**Open**" field, and click **[OK]**.



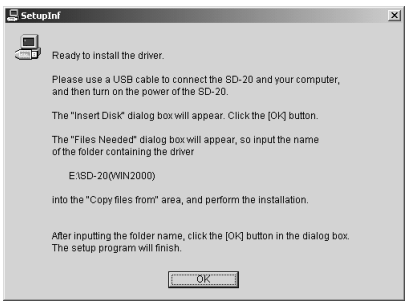
D:\DRIVER\USB_XP2K\SETUPINF.EXE

* *The drive name "**D:**" may be different for your system. Specify the drive name of your CD-ROM drive.*

11 The **SETUPINF** dialog box will appear.

You are now ready to install the driver.

* *Do not click **[OK]** at this time.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
The "Insert Disk" dialog box will appear. Click the [OK] button.
The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN2000)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

12 Connect the SD-20.

1. Set the **computer switch** of the SD-20 to **USB**.
2. With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.
3. Plug the **AC adaptor** into an AC power outlet.
4. Use the **USB cable** to connect the **SD-20** to your **computer**.

13 Set the SD-20's **power switch** to the **ON** position.

MEMO

In this manual, the location of folders and files is given in terms of the file path, using **** as the delimiter. For example, **USB_XP2K\SETUPINF.EXE** indicates the **SETUPINF.EXE** file found in the **USB_XP2K** folder.

NOTE

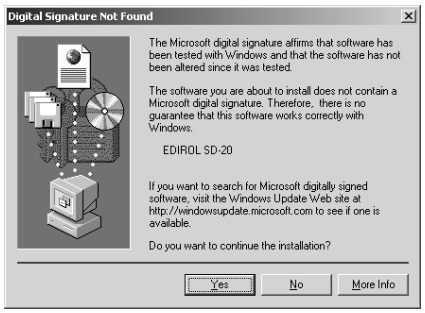
Even if you will normally be using the SD-20 with BUS power, please use the AC adaptor while you are installing the driver and making settings.

MEMO

This unit is equipped with protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

If in **step 5** the "**File signature verification**" setting was not set to "**Ignore**", a "**Digital signature not found**" dialog box will appear.

If "File signature verification" is set to "Warn,"


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
EDIROL SD-20
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

1. Click **[Yes]**.
2. Continue the installation.

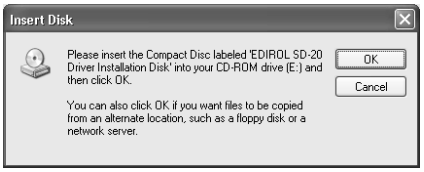
If "File signature verification" is set to "Block"

1. Click **[OK]**.
2. When the "**New hardware detection wizard**" appears, click **[Finish]**.
3. Perform the installation as described in the "**Troubleshooting**" section on **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235).

14

The **Insert Disk** dialog box will appear.

Click **[OK]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (E:) and then click OK.
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.
OK
Cancel

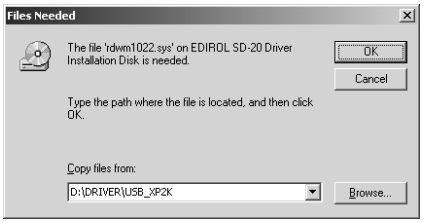
NOTE

If the Insert disk dialog box does not appear, please read The **The "Insert Disk" dialog box does not appear** (p. 235))

15

The **Files Needed** dialog box will appear.

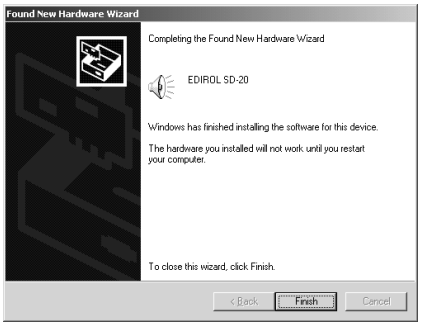
In the "**Copy files from**" area, type "**D:\DRIVER\USB_XP2K**" and click **[OK]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

16

The "**Found New Hardware Wizard**" may be displayed.

Verify that "**EDIROL SD-20**" is displayed, and click **[Finish]**.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
EDIROL SD-20
Windows has finished installing the software for this device.
The hardware you installed will not work until you restart your computer.
To close this wizard, click Finish.
< Back
Finish
Cancel

17

Restart Windows.

The **System Settings Change** dialog box may appear. Click **[Yes]**. Windows will restart automatically.

If you changed "File signature verification"

If you changed the "File signature verification" setting in step 5, restore the original setting after Windows restarts.

1. After Windows restarts, log in to Windows as a user with **administrative privileges**, (such as Administrator).
2. In the Windows desktop, right-click the **My Computer** icon, and from the menu that appears, select **Properties**. The **System Properties** dialog box will appear.
3. Click the **Hardware** tab, and then click **[Driver signature]**. The **Driver Signing Options** dialog box will appear.
4. Return the "**File signature verification**" setting to the original setting (either "**Warn**" or "**Block**"), and click **[OK]**.
5. Click **[OK]**. The **System properties** dialog box will close.

Next, you need to make the driver settings.
(-> **Settings and checking** (p. 39)

■ Windows Me/98 users

1

With the SD-20 disconnected, start up Windows.

Disconnect all USB cables except for a USB keyboard and USB mouse (if used).

2

Exit all currently running software (applications).

Also close any open windows. If you are using virus checking or similar software, be sure to exit it as well.

3

Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive of your computer.

4

Open the "**Run...**" dialog box.

Click the Windows **Start** button.
From the menu that appears, select "**Run...**"

5

In the dialog box that appears, input the following into the "**Open**" field, and click **[OK]**.

D:\DRIVER\USB_ME98\SETUPINF.EXE

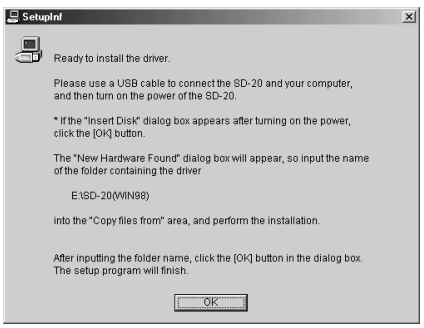
* *The drive name "**D:**" may be different for your system. Specify the drive name of your CD-ROM drive.*

6

The **SETUPINF** dialog box will appear.

You are now ready to install the driver.

* *Do not click **[OK]** at this time.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
* If the "Insert Disk" dialog box appears after turning on the power, click the [OK] button.
The "New Hardware Found" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN98)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

MEMO

In this manual, the location of folders and files is given in terms of the file path, using **** as the delimiter. For example, **USB_ME98\SETUPINF.EXE** indicates the **SETUPINF.EXE** file found in the **USB_ME98** folder.

7

Connect the SD-20.

1. Set the **computer switch** of the SD-20 to **USB**.
2. With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.
3. Plug the **AC adaptor** into an AC power outlet.
4. Use the **USB cable** to connect the **SD-20** to your **computer**.

5

Set the SD-20's power switch to the **ON** position.

6

If you are using Windows 98, an **Insert Disk** dialog box will appear.

Click **[OK]**.

7

The **New Hardware Found** dialog box will appear.

In the "**Copy files from**" area, type "**D:\DRIVER\USB_ME98**" and click **[OK]**.

New Hardware Found
The file 'rddp0022.dat' was not found.
Windows needs the disk labeled 'EDIROL SD-20 Driver Installation disk' to continue. This disk may be provided by your computer or device manufacturer.
Copy files from:
D:\DRIVER\USB_ME98
OK
Cancel
Skip File
Details...
Browse...

8

Once the driver has been installed, **New Hardware Found** dialog box will close.

In the **SETUPINF** dialog box, click **[OK]**. The **SETUPINF** dialog box will close.

Next, you need to make the driver settings.
(-> **Settings and checking** (p. 39)

NOTE

Even if you will normally be using the SD-20 with BUS power, please use the AC adaptor while you are installing the driver and making settings.

MEMO

This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

NOTE

If you are using Windows 98 and the **Insert Disk** dialog box dose not appear, please read **The "Insert Disk" dialog box does not appear** (p. 235).

NOTE

If the **New Hardware Found** dialog box does not appear, re-install the driver using the same procedure as described in **The "Insert Disk" dialog box does not appear** (p. 235).

Serial connection

The following items are required for connections and installation. Please have the following items ready.

- SD-20
- AC adaptor
- Computer cable
- CD-ROM

The installation procedure will differ depending on your system.
Please proceed to one of the following sections, depending on the system you use.

- Windows XP users ..... (p. 29)
- Windows 2000 users..... (p. 33)
- Windows Me/98 users ..... (p. 37)

■ Windows XP users

1 Make sure that the power is turned off for the SD-20, your computer, and all peripheral devices.

2 Set the **computer switch** of the SD-20 to **PC**.

3 Use the computer cable to connect the serial connector of your computer to the SD-20.

4 With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.

5 Plug the **AC adaptor** into an AC power outlet.

6 **Turn on** the power of the SD-20 and your computer, and start up Windows.

7 Open the **System Properties** dialog box.

1. Click the Windows **start** menu, and from the menu, select **Control Panel**.
2. In "**Pick a category**," click "**Performance and Maintenance**."
3. In "**or pick a Control Panel icon**," click the **System** icon.

NOTE

If you are using Windows XP Professional, you must log on using a user name with an administrative account type (e.g., Administrator). For details on user accounts, please consult the system administrator of your computer.

MEMO

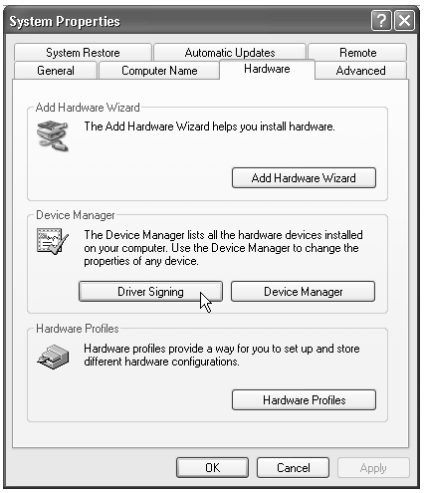
For details on connections, refer to **Basic connections** (p. 13)

MEMO

Depending on how your system is set up, the **System** icon may be displayed directly in the **Control Panel** (the Classic display). In this case, double-click the System icon.

8 Open the **Driver Signing Options** dialog box.

Click the **Hardware** tab, and then click **[Driver Signing]**.



9 Make sure that "**What action do you want Windows to take?**" is set to "**Ignore**."

If it is set to "**Ignore**", simply click **[OK]**.
If it is not set to "**Ignore**", make a note of the current setting ("Warn" or "Block"). Then change the setting to "**Ignore**" and click **[OK]**

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

10 Close the System Properties dialog box.

Click **[OK]**.

11 Exit all currently running software (applications).

Also close any open windows. If you are using virus checking or similar software, be sure to exit it as well.

12 Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive of your computer.

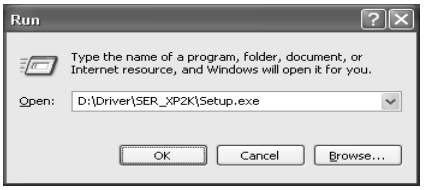
13 Open the "**Run...**" dialog box.

Click the Windows **start** button. From the menu that appears, select "**Run...**"

MEMO

If you changed "**What action do you want Windows to take?**" in step 8, you must restore the previous setting after you have installed the driver. (->**If you changed "What action do you want Windows to take?"** (p. 22))

14 In the dialog box that appears, input the following into the "**Open**" field, and click **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

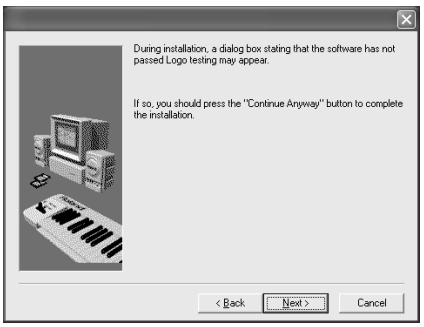
* *The drive name "**D:**" may be different for your system. Specify the drive name of your CD-ROM drive.*

15 The **Welcome** dialog box will appear.

Click **[Next]**.

16 A dialog box like the following will appear.

Click **[Next]**.


During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

If in **step 9** the "**What action do you want Windows to take?**" setting was not set to "**Ignore**", a "**Hardware Installation**" dialog box will appear.

If "What action do you want Windows to take?" is set to "Warn,"

1. Click **[Continue Anyway]**.
2. Continue the installation.

If "What action do you want Windows to take?" is set to "Block"

1. Click **[OK]**.
2. When the "**Found New Hardware Wizard**" appears, click **[Finish]**.
3. Perform the installation as described in the "**Troubleshooting**" section on **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235).

Hardware Installation
The software you are installing for this hardware:
Roland Serial MIDI Driver
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

MEMO

In this manual, the location of folders and files is given in terms of the file path, using **** as the delimiter. For example, **SER_XP2K\SETUP.EXE** indicates the **SETUP.EXE** file found in the **SER_XP2K** folder.

17

The **Roland Serial MIDI Driver Settings** dialog box will appear.

Set the following items. Click **[OK]**.

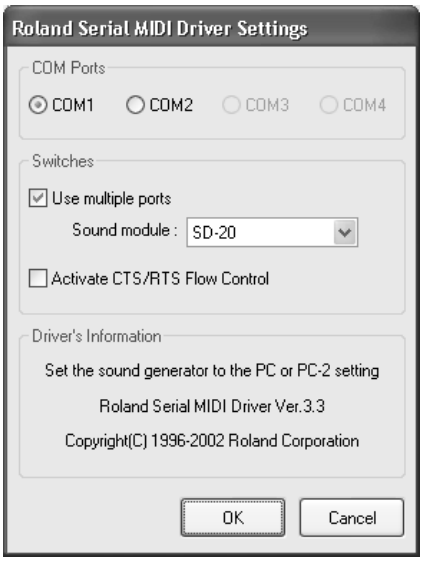
COM Ports

Select the serial port (COM port) to which the SD-20's serial port is connected.

Switches

Check "**Use multiple ports**." Click the ▼ symbol at the right of the **[Sound module]** field, and select **SD-20**.

* *Do not check "**Activate CTS/RTS Flow Control**."*



18

When driver installation has been completed, the **Restart your computer** dialog box will appear. Restart your computer.

If you changed "What action do you want Windows to take?"

If you changed the **What action do you want Windows to take?** setting in step 5, restore the original setting after Windows restarts.

1. If you are using Windows XP Professional, log on to Windows using the user name of an administrative account (e.g., Administrator).
2. Click the Windows **Start** menu, and from the menu, select **Control Panel**.
3. In "**Pick a category**," click "**Performance and Maintenance**."
4. In "**or pick a Control Panel icon**," click the **System** icon. The System Properties dialog box will appear.
5. Click the **Hardware** tab, and then click **[Driver Signing]**. The **Driver Signing Options** dialog box will appear.
6. Return the **What action do you want Windows to take?** setting to the original setting (either "Warn" or "Block"), and click **[OK]**.
7. Click **[OK]**. The **System properties** dialog box will close.

Next, you need to make the driver settings.
(-> **Settings and checking** (p. 39))

■ Windows 2000 users

1 Make sure that the power is turned off for the SD-20, your computer, and all peripheral devices.

2 Set the **computer switch** of the SD-20 to **PC**.

3 Use the computer cable to connect the serial connector of your computer to the SD-20.

4 With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.

5 Plug the **AC adaptor** into an AC power outlet.

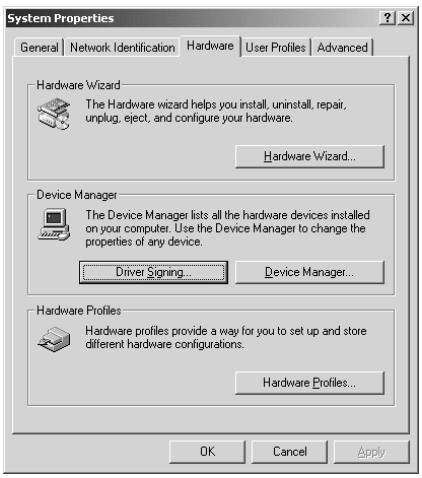
6 Turn on the power of the SD-20 and your computer, and start up Windows.

7 Open the **System Properties** dialog box.

1. Click the Windows **Start** menu, and from the menu that appears, select **Settings | Control Panel**.
2. In "**Control Panel**," double-click the **System** icon.

8 Open the **Driver Signing Options** dialog box.

Click the **Hardware** tab, and then click **[Driver Signing]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

NOTE

Log on to Windows using a user name with an administrative account type (e.g., Administrator). For details on user accounts, please consult the system administrator of your computer.

MEMO

For details on connections, refer to "**Basic connections** (p. 13)."

9 Make sure that "**File signature verification**" is set to "**Ignore**."

If it is set to "**Ignore**", simply click **[OK]**.
If it is not set to "**Ignore**", make a note of the current setting ("Warn" or "Block"). Then change the setting to "**Ignore**" and click **[OK]**.

Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

10 Close the **System Properties** dialog box.

Click **[OK]**.

11 Exit all currently running software (applications).

Also close any open windows. If you are using virus checking or similar software, be sure to exit it as well.

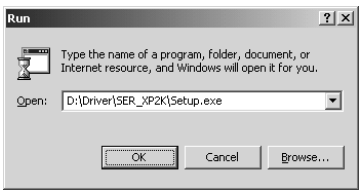
12 Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive of your computer.

13 Open the "**Run...**" dialog box.

Click the Windows **Start** button.
From the menu that appears, select "**Run...**"

14 In the dialog box that appears, input the following into the "**Open**" field, and click **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *The drive name "**D:**" may be different for your system. Specify the drive name of your CD-ROM drive.*

15 The **Welcome** dialog box will appear.

Click **[Next]**.

MEMO

In this manual, the location of folders and files is given in terms of the file path, using **** as the delimiter. For example, **SER_XP2K\SETUP.EXE** indicates the **SETUP.EXE** file found in the **SER_XP2K** folder.

16

A dialog box like the following will appear.

Click **[Next]**.

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

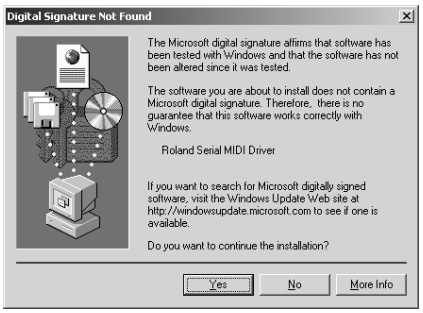
If in **step 9** the "**File signature verification**" setting was not set to "**Ignore**", a "**Digital signature not found**" dialog box will appear.

If "File signature verification" is set to "Warn,"

1. Click **[Yes]**.
2. Continue the installation.

If "File signature verification" is set to "Block"

1. Click **[OK]**.
2. When the "New hardware detection wizard" appears, click **[Finish]**.
3. Perform the installation as described in the "**Troubleshooting**" section on **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235).


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Roland Serial MIDI Driver
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

17

The **Roland Serial MIDI Driver Settings** dialog box will appear.

Set the following items. Click **[OK]**.

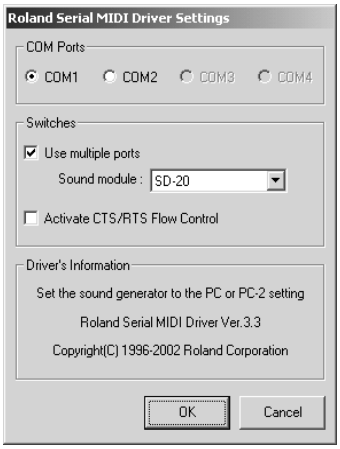
COM Ports

Select the serial port (COM port) to which the SD-20's serial port is connected.

Switches

Check "**Use multiple ports**." Click the ▼ symbol at the right of the **[Sound module]** field, and select **SD-20**.

* *Do not check "**Activate CTS/RTS Flow Control**."*



18 When driver installation has been completed, the **Restart your computer** dialog box will appear. Restart your computer.

If you changed "File signature verification"

If you changed the "File signature verification" setting in step 5, restore the original setting after Windows restarts.

1. After Windows restarts, log in to Windows as a user with **administrative privileges**, (such as Administrator).
2. In the Windows desktop, right-click the **My Computer** icon, and from the menu that appears, select **Properties**. The **System Properties** dialog box will appear.
3. Click the **Hardware** tab, and then click **[Driver signing]**. The **Driver Signing Options** dialog box will appear.
4. Return the "**File signature verification**" setting to the original setting (either "**Warn**" or "**Block**"), and click **[OK]**.
5. Click **[OK]**. The **System properties** dialog box will close.

Next, you need to make the driver settings.
(->**Settings and checking** (p. 39)

■ Windows Me/98 users

1 Make sure that the power is turned off for the SD-20, your computer, and all peripheral devices.

2 Set the **computer switch** of the SD-20 to **PC**.

3 Use the computer cable to connect the serial connector of your computer to the SD-20.

4 With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.

5 Plug the **AC adaptor** into an AC power outlet.

6 Turn on the power of the SD-20 and your computer, and start up Windows.

7 Exit all currently running software (applications).

Also close any open windows. If you are using virus checking or similar software, be sure to exit it as well.

8 Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive of your computer.

9 Open the "**Run...**" dialog box.

Click the Windows **Start** button.
From the menu that appears, select "**Run...**"

10 In the dialog box that appears, input the following into the "**Open**" field, and click **[OK]**.

D:\DRIVER\SER_ME98\DISK1\SETUP.EXE

* *The drive name "**D:**" may be different for your system. Specify the drive name of your CD-ROM drive.*

11 The **Welcome** dialog box will appear.

Click **[Next]**.

MEMO

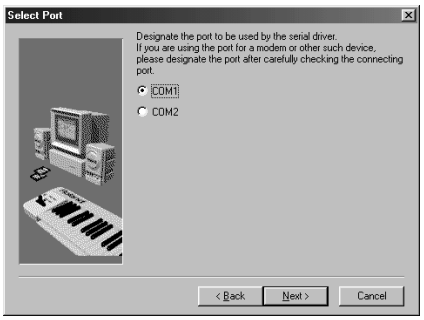
For details on connections, refer to "**Basic connections** (p. 13)."

MEMO

In this manual, the location of folders and files is given in terms of the file path, using **** as the delimiter. For example, **SER_ME98\SETUP.EXE** indicates the **SETUP.EXE** file found in the **SER_ME98** folder.

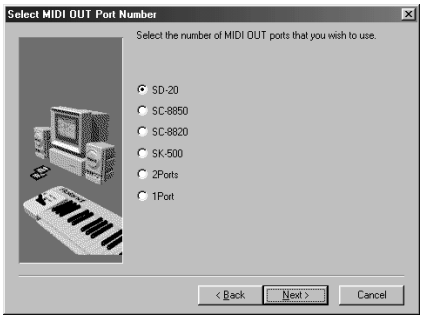
12 The **Select Port** dialog box will appear.

Select the serial port to which the SD-20 is connected, and click **[Next]**.
The number of COM ports will depend on your computer system.


Select Port
Designate the port to be used by the serial driver.
If you are using the port for a modem or other such device, please designate the port after carefully checking the connecting port.
COM1
COM2
< Back
Next >
Cancel

13 The **Select MIDI OUT Port Number** dialog box will appear.

Select SD-20, and click **[Next]**.



14 The **Installation information** dialog box will appear.

Check the displayed contents, and click **[Next]**.

15 The **Computer Switch Setting** dialog box will appear.

Make sure that the computer switch on the rear of the SD-20 is set to **[PC]**, and click **[Next]**.
If it is not set to **[PC]**, perform this procedure again from **step 1**.

16 When driver installation has been completed, the **Restart Computer** dialog box will appear. Restart your computer.

Next, you need to make the driver settings.
(-> **Settings and checking** (p. 39)**)**

Settings and checking

■ Windows XP/2000/Me users

1

Open **Control Panel**.

Click the Windows **Start** button, and from the menu that appears, select **Settings | Control Panel**.

Windows XP

Click the Windows **start** button, and from the menu that appears, select **Control Panel**.

2

Open the **Sounds and Multimedia Properties** dialog box (or in Windows XP, **Sounds and Audio Devices Properties**).

Windows 2000/Me

In **Control Panel**, double-click the **Sounds and Multimedia** icon to open the "**Sounds and Multimedia Properties**" dialog box.

Windows XP

In "**Pick a category**," click "**Sounds, Speech, and Audio Devices**." Next, in "**or pick a Control Panel icon**," click the **sounds and Audio Devices** icon.

3

Click the **Audio** tab.

4

For **MIDI music playback**, click the ▼ located at the right of **[Preferred device]** (or in Windows XP, **[Default device]**), and select the following from the list that appears.

For a USB connection	EDIROL SD-20 PART A
For a serial connection	Roland Serial MIDI Out A

5

Click **OK** to complete the settings.

Proceed to the following page.
Windows XP users..... (p. 41)
Windows 2000 / Me users..... (p. 42)

MEMO

Depending on how your system is set up, the **Sounds and Audio Devices** icon may be displayed directly in the **Control Panel** (the Classic display). In this case, double-click the **Sounds and Audio Devices** icon.

■ Windows 98 users

1

Open **Control Panel**.

Click the Windows **Start** button, and from the menu that appears, select **Settings | Control Panel**.

2

Open the **Multimedia Properties** dialog box.

In **Control Panel**, double-click the **Multimedia** icon to open the "**Multimedia Properties**" dialog box.

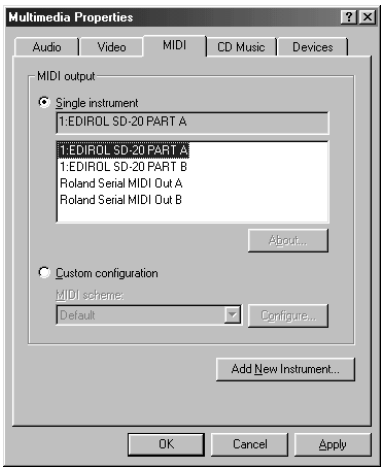
3

Click the **MIDI** tab.

4

Set "**MIDI output**."

Select **[Single instrument]**, and choose one of the following from the list that appears.



For a USB connection	EDIROL SD-20 PART A
For a serial connection	Roland Serial MIDI Out A

5

Click **OK** to complete the settings.

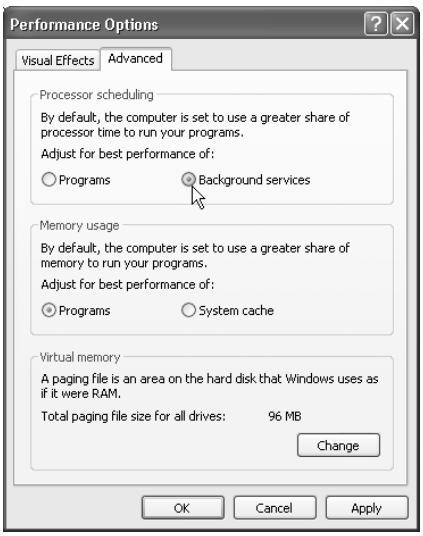
Proceed to the following page.
(-> **Checking for sound output** (p. 42)**)**

Enabling background services

In Windows XP, perform these settings to make MIDI processing occur more smoothly. These settings are unavailable in Windows 2000 / Me / 98.

1. Click the Windows **start** button, and from the menu that appears, select **Control Panel**.
2. In "**Pick a category**," click "**Performance and Maintenance**."
3. In "**or pick a Control Panel icon**," click the **System** icon.
4. Click the **Advanced** tab.
5. At the right of the Performance field, click **[Settings]**. The Performance Options dialog box will appear.
6. Click the **Advanced** tab.
7. In the **Processor Scheduling** field, select "**Background services**," and click **[OK]**.
8. In the System Properties dialog box, click **[OK]**.

   The **System Properties** dialog box will close.


Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives: 96 MB
Change
OK
Cancel
Apply

Proceed to the following page.
(-> **Checking for sound output** (p. 42)

Checking for sound output

Now let's play back the sample data to verify that connections, driver installation, and settings were made correctly.

■ Playing back the sample data

Here we will use standard Windows functionality to play the sample data. The sample data is found on the CD-ROM.

1

Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive of your computer.

2

From the **DemoSong** folder of the CD-ROM, drag **Demo01**(.MID) to your desktop, copying it.

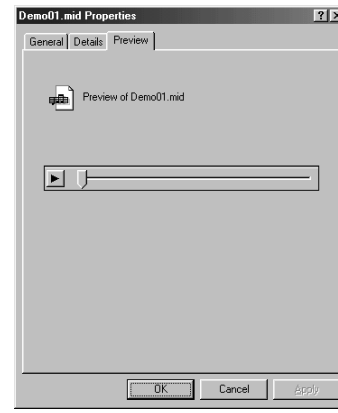
3

Right-click the copied file **Demo01**(.MID), and select **Properties** (**Play** for Windows XP / 2000 / Me).

4

Play back the sample data.

Click the **Preview** tab, and then click the ▶ button.
The music starts playing.



Was the sample data played back?

If it was played back correctly, this means that the computer and the SD-20 are connected correctly, and that the drivers have been installed correctly.

MEMO

Use of the song data supplied with this product for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder

MEMO

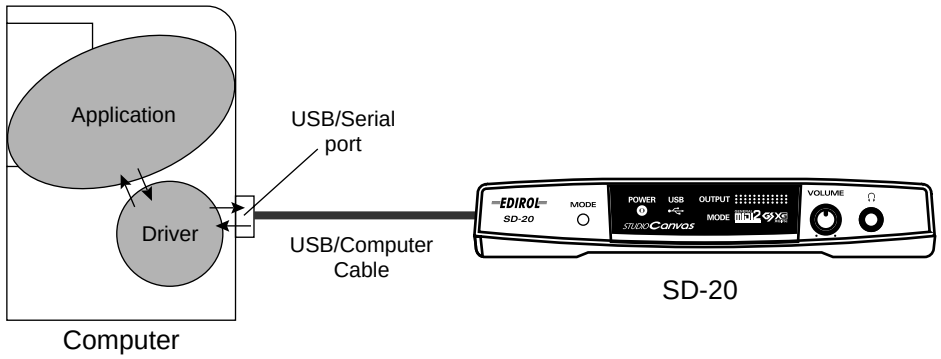
What you actually see on your computer screen may be different, depending on your computing environment and the operating system you're using.

MEMO

If it did not play back correctly, refer to **Troubleshooting** (p. 232) to determine the reason. This section contains information on how to solve problems such as no sound, or failure to play back correctly.

Getting connected and installing drivers (Macintosh)

What is a driver?



A "driver" is software that transfers data between the SD-20 and application software running on your computer, when your computer and the SD-20 are connected by a USB cable. The driver sends data from your application to the SD-20, and from the SD-20 to your application.

The SD-20 is able to operate using the "**bus power**" that is supplied via the USB cable. This means that the supplied AC adaptor is not necessary. However, if you are using a USB hub, or if not enough power can be supplied via USB, the SD-20 may not operate correctly. In this case, connect the supplied AC adaptor power supply to the SD-20.
Even when using the SD-20 with bus power, please connect the AC adaptor when you install the driver.

Which type of connection?

You can either use the USB cable, or use the computer cable to make a serial connection. Depending on the type of connection you are using, install the appropriate driver and make the appropriate settings.

USB connection .....(p. 44)

Serial connection .....(p. 51)

USB connection

The following items are required for connections and installation. Please have the following items ready.

- SD-20
- AC adaptor
- USB cable
- CD-ROM

1 Turn off the power of the Macintosh and all peripheral devices connected to the Macintosh.

2 Set the **computer switch** of the SD-20 to **USB**.

3 With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.

4 Plug the **AC adaptor** into an AC power outlet.

5 Turn on the peripheral devices connected to the Macintosh, except for the SD-20. Then turn on the power of the Macintosh itself.

* *Do not turn on the power of the SD-20 at this time.*

If the power of the SD-20 is turned on, a message like the following will appear when the Macintosh is started up. Perform the steps described below as appropriate for the message that is displayed.

If the screen indicates:

"Driver required for USB device `unknown device' is not available. Search for driver on the Internet?"

-> click **[Cancel]**.

If the screen indicates:

"Software required for using device `unknown device' cannot be found. Please refer to the manual included with the device, and install the necessary software."

-> click **[OK]**.

Use either OMS or FreeMIDI as the MIDI driver.

- If you are using OMS ..... (p. 45)
- If you are using FreeMIDI ..... (p. 49)

* *Either **OMS** or **FreeMIDI** must be installed in your Macintosh, as appropriate for the sequencer software you are using.*

■ Installing the SD-20 driver (OMS)

Use the following procedure to install the SD-20 driver.
The included **SD-20 OMS driver** is an add-on module for using the SD-20 with OMS. In order for you to use it, **OMS must already be installed on the hard disk from which you started up**.

If you would like to learn more about OMS, refer to **OMS_2.3_Mac.pdf** (online manual) in the **OMS2.3.8** folder within the OMS folder of the CD-ROM.

* *Disconnect the SD-20 from the Macintosh before you perform the installation.*

1 Exit all currently running software (applications).

If you are using a virus checker or similar software, be sure to exit this as well.

2 Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive.

3 Double-click the **SD-20 USB Installer** icon (found in the **Driver - OMS Driver** of the CD-ROM) to start up the installer.

4 Verify the **installation location**, and click **[Install]**.

5 If a message like the following is displayed, click **[Continue]**.

The other currently running applications will exit, and installation will continue.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6 A dialog box will indicate Installation completed.

Click **[Restart]** to restart your Macintosh.

7 Use the **USB cable** to connect the **SD-20** to your **computer**.

8 Set the SD-20's power switch to the ON position.

NOTE

Requires **OMS 2.3.5** or later.

MEMO

OMS can be found in the OMS2.3.8 folder within the OMS folder of the CD-ROM.

MEMO

You will need the Adobe Acrobat Reader in order to view OMS_2.3_Mac.pdf. The latest version of Adobe Acrobat Reader can be downloaded from the Adobe website. http://www.adobe.com (This URL may change without notice.)

MEMO

This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

OMS settings

1

From the CD-ROM, drag the **Driver-OMS Driver-OMS Settings** folder to the hard disk of your Macintosh to copy it.

2

In the **Opcode-OMS Application** folder where you installed OMS, double-click **OMS Setup** to start it up.

3

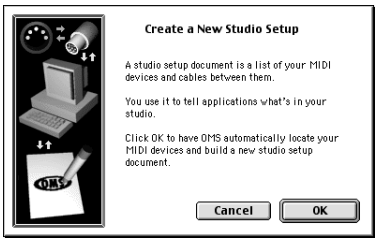
If a dialog box like the one shown here appears, click **[Turn It Off]**. A confirmation dialog box will then appear, so click **[OK]**.

AppleTalk
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

The Create New Setup dialog box will appear.

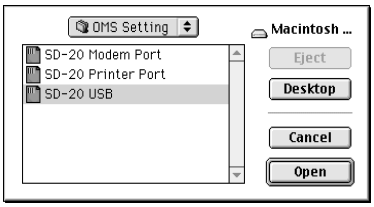
Click **[Cancel]**. If you accidentally clicked **[OK]**, click **[Cancel]** in the next screen.


Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

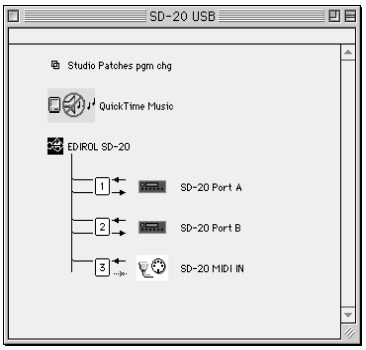
5

Choose "**Open**" from the File menu.

From the **OMS Settings** folder that you copied in **step 1**, select the **SD-20 USB** file, and click **[Open]**.



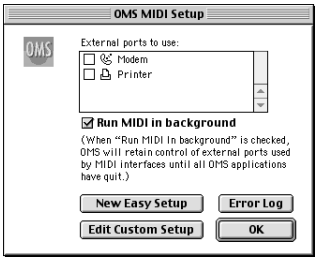
A screen like the one shown here will appear.



6

From the **Edit** menu, select **OMS MIDI Setup**.

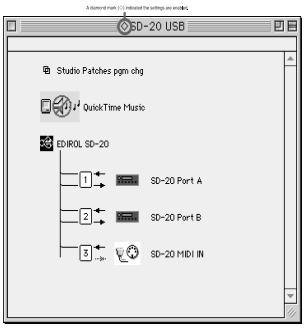
In the **OMS MIDI Setup** dialog box that appears, check **Run MIDI in background**, and click **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

7

From the **File** menu, choose **Make Current**.

If you are unable to select **Make Current**, it has already been applied, and you may continue to the next step.



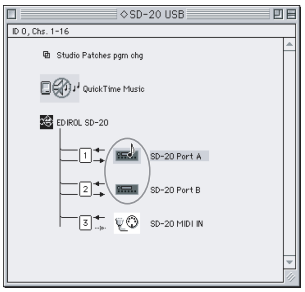
8

Verify that MIDI transmission and reception can be performed correctly. From the **Studio** menu, choose **Test Studio**.

9

When you move the mouse cursor near the sound generator icon, the cursor will change to a ♪ shape.

Click on the sound generator icons that are encircled in the following illustration. If sound is heard from the SD-20, the settings are correct. If MIDI is not being transmitted, the Macintosh will produce an alert sound.



Does the OUTPUT level indicator of the SD-20 move?

If the OUTPUT level meter in the SD-20's display is moving but you do not hear sound, check whether the volume of the SD-20 or your speaker system has been lowered. If the OUTPUT level meter does not move, check the connections and OMS settings once again.
After you have made settings correctly, choose **Test** once again from the **Studio** menu, and perform **step 9**.

MEMO

If the SD-20 does not produce sound, refer to **No sound** (p. 237).

10

Exit OMS Setup.

From the **File** menu, choose **[Exit]**. If the **AppleTalk confirmation** dialog box appears, click **[OK]** to close the dialog box.

This completes connections for the SD-20 and Macintosh, and installation of the MIDI driver. Now, MIDI data can be input and output (recorded and played).

■ Installing the SD-20 driver (FreeMIDI)

Use the following procedure to install the SD-20 driver. The included **SD-20 FreeMIDI driver** is an add-on module for using the SD-20 with FreeMIDI. In order to use it, **FreeMIDI must be installed on the hard disk from which you started up**.

* *Disconnect the SD-20 from the Macintosh before beginning the installation.*

1 Exit all currently running software (applications).

If you are using a virus checker or similar software, be sure to exit this as well.

2 Prepare the CD-ROM.
Insert the CD-ROM into the CD-ROM drive.

3 Double-click the **SD-20 USB Installer** icon (found in the **Driver - FreeMIDI - USB Connection** folder of the CD-ROM) to start up the installer.

4 Verify the **installation location**, and click **[Install]**.

5 If a message like the following is displayed, click **[Continue]**.

The other currently running applications will exit, and installation will continue.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6 A dialog box will indicate Installation completed. Click **[Restart]** to restart your Macintosh.

7 Use the **USB cable** to connect the **SD-20** to your **computer**.

8 Switch ON the SD-20's Power switch.

FreeMIDI settings

1 From the CD-ROM, copy the **Driver - FreeMIDI Driver - Settings** folder onto the hard disk of your Macintosh.

2 Open the FreeMIDI Applications folder from the location into which you installed FreeMIDI, and double-click the **FreeMIDI Setup** icon to start it up.

3 When "**OMS is installed on this computer...**" appears, click **[FreeMIDI]**.

MEMO

This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

4 The first time the software is started up, a dialog box saying "**Welcome to FreeMIDI!**" will appear. Click **[Continue]**.

5 When the **FreeMIDI Preferences** dialog box appears, click **[Cancel]**.

6 When the **About Quick Setup** dialog box appears, click **[Cancel]**.

7 From the **File** menu, choose **Open**.

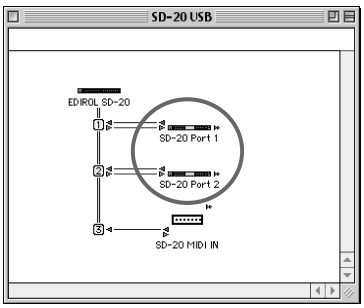
8 Select **SD-20 USB** from the **FreeMIDI Settings** folder you copied in **step 1**, and click **[Open]**.

9 Verify that MIDI transmission and reception occur correctly.

From the **MIDI** menu, choose **Check Connections**.

10 The mouse cursor will change to the shape of a note. Click the sound generator icons encircled in the diagram at right.

If you hear sound, MIDI messages are being sent from the Macintosh to the SD-20.



Does the OUTPUT level indicator of the SD-20 move?

If the OUTPUT level meter in the SD-20's display is moving but you do not hear sound, check whether the volume of the SD-20 or your speaker system has been lowered. If the OUTPUT level meter does not move, check the connections and OMS settings once again.

After you have made settings correctly, choose **Test** once again from the **Studio** menu, and perform **step 10**.

11 Once again choose the **MIDI** menu command **Check Connections** to end the test.

12 From the **File** menu, choose Quit to exit **FreeMIDI Setup**.

This completes connections for the SD-20 and Macintosh, and installation of the MIDI driver. Now, MIDI data can be input and output (recorded and played).

MEMO

If the SD-20 does not produce sound, refer to **No sound** (p. 237).

Serial connection

The following items are required for connections and installation. Please have the following items ready.

- SD-20
- AC adaptor
- Computer cable
- CD-ROM

1 Turn off the power of the Macintosh and all peripheral devices connected to the Macintosh.

2 Set the **computer switch** of the SD-20 to **Mac**.

3 Use a computer cable to connect the **modem port** or **printer port** of your Macintosh to the SD-20.

4 With the **SD-20's power switch turned off**, connect it to the **AC adaptor**.

5 Plug the **AC adaptor** into an AC power outlet.

6 Turn on the power of the SD-20 and your Macintosh.

MEMO

This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

■ Installing the SD-20 driver (OMS)

Use the following procedure to install the SD-20 driver.
The included **SD-20 OMS driver** is an add-on module for using the SD-20 with OMS. In order for you to use it, **OMS must already be installed on the hard disk from which you started up**.

If you would like to learn more about OMS, refer to **OMS_2.3_Mac.pdf** (online manual) in the **OMS2.3.8** folder within the OMS folder of the CD-ROM.

NOTE

Requires **OMS 2.3.5** or later.

MEMO

OMS can be found in the OMS2.3.8 folder within the OMS folder of the CD-ROM.

1 Exit all currently running software (applications).

If you are using a virus checker or similar software, be sure to exit this as well.

2 Prepare the CD-ROM.

Insert the CD-ROM into the CD-ROM drive.

3 Double-click the **SD-20 Serial Installer** icon (found in the **Driver - OMS Driver** of the CD-ROM) to start up the installer.

MEMO

You will need the Adobe Acrobat Reader in order to view OMS_2.3_Mac.pdf. The latest version of Adobe Acrobat Reader can be downloaded from the Adobe website. http://www.adobe.com (This URL may change without notice.)

4 Verify the installation location, and click **[Install]**.

5 If a message like the following is displayed, click **[Continue]**.

The other currently running applications will exit, and installation will continue.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6 A dialog box will indicate Installation completed.

Click **[Restart]** to restart your Macintosh.

OMS settings

1 From the CD-ROM, drag the **Driver-OMS Driver-OMS Settings** folder to the hard disk of your Macintosh to copy it.

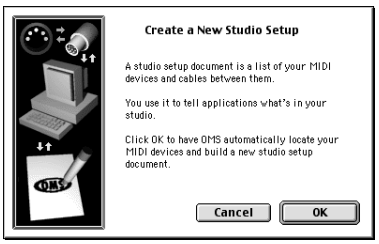
2 In the **Opcode-OMS Application** folder where you installed OMS, double-click **OMS Setup** to start it up.

3 If a dialog box like the one shown here appears, click **[Turn It Off]**. A confirmation dialog box will then appear, so click **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

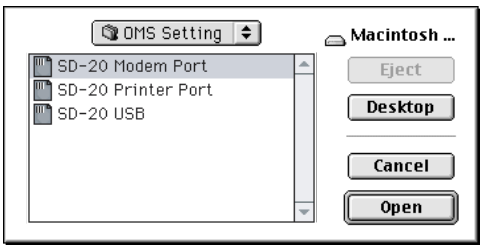
4 The Create New Setup dialog box will appear.

Click **[Cancel]**. If you accidentally clicked **[OK]**, click **[Cancel]** in the next screen.


Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

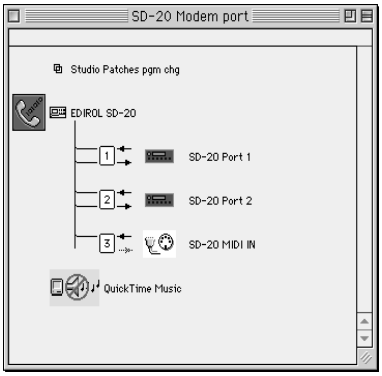
5

Choose "**Open**" from the File menu.

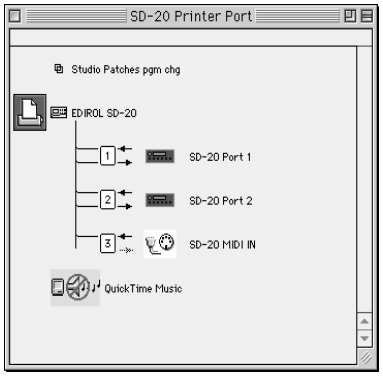


Open the **OMS Settings** folder copied in **Step 1**, select the file for the name of the port to which the SD-20 is connected, and click **[Open]**.

A screen like the one shown here will appear.



Opening the SD-20 Modem Port file

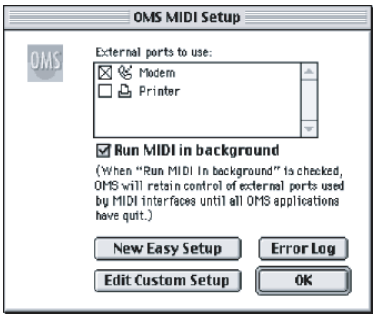


Opening the SD-20 Printer Port file

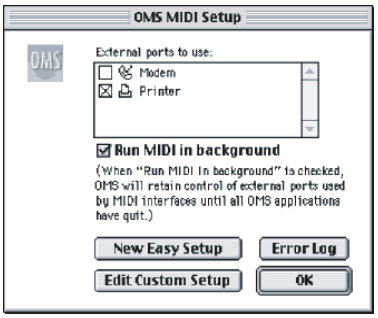
6

From the **Edit** menu, select **OMS MIDI Setup**.

In the **OMS MIDI Setup** dialog box that appears, check **Run MIDI in background**, and click **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Modem Port file


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Printer Port file

MEMO

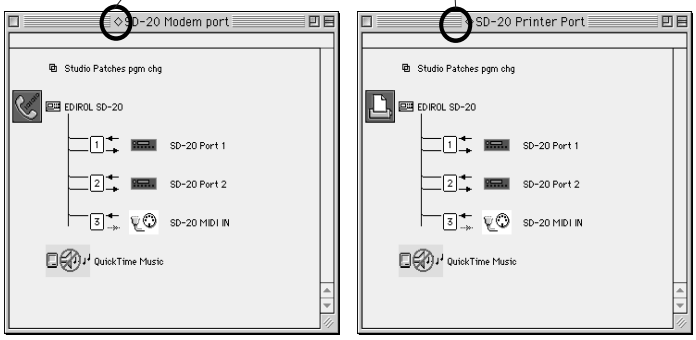
When connecting to a combined modem / printer port such as on PowerBooks, select the "SD-20 Modem Port" file.

7

From the **File** menu, choose **Make Current**.

If you are unable to select **Make Current**, it has already been applied, and you may continue to the next step.

A diamond mark (◊) indicates the settings are enabled.



Opening the SD-20 Modem Port file

Opening the SD-20 Printer Port file

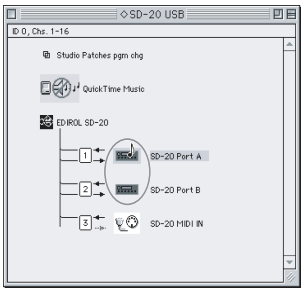
8

Verify that MIDI transmission and reception can be performed correctly. From the **Studio** menu, choose **Test Studio**.

9

When you move the mouse cursor near the sound generator icon, the cursor will change to a ♪ shape.

Click on the sound generator icons that are encircled in the following illustration. If sound is heard from the SD-20, the settings are correct. If MIDI is not being transmitted, the Macintosh will produce an alert sound.



Does the OUTPUT level indicator of the SD-20 move?

If the OUTPUT level meter in the SD-20's display is moving but you do not hear sound, check whether the volume of the SD-20 or your speaker system has been lowered. If the OUTPUT level meter does not move, check the connections and OMS settings once again.

After you have made settings correctly, choose **Test** once again from the **Studio** menu, and perform **step 9**.

10 Exit OMS Setup.

From the **File** menu, choose **[Exit]**. If the **AppleTalk confirmation** dialog box appears, click **[OK]** to close the dialog box.

This completes connections for the SD-20 and Macintosh, and installation of the MIDI driver. Now, MIDI data can be input and output (recorded and played).

MEMO

If the SD-20 does not produce sound, refer to **No sound** (p. 237).

■ Installing the SD-20 driver (FreeMIDI)

Use the following procedure to install the SD-20 driver. The included **SD-20 FreeMIDI driver** is an add-on module for using the SD-20 with FreeMIDI. In order to use it, **FreeMIDI must be installed on the hard disk from which you started up**.

1. Exit all currently running software (applications).

   If you are using a virus checker or similar software, be sure to exit this as well.

2. Prepare the CD-ROM.

   Insert the CD-ROM into the CD-ROM drive.

3. Double-click the **SD-20 Serial Installer** icon (found in the **Driver - FreeMIDI Driver - Serial Connection** folder of the CD-ROM) to start up the installer.

4. Click **[Install]**.

5. A dialog box will inform you that you will need to restart your Macintosh when installation is finished. Click **[Continue]**.

6. When the installation is complete, click **[Restart]**.

FreeMIDI settings

1. From the CD-ROM, copy the **Driver - FreeMIDI Driver - Settings** folder onto the hard disk of your Macintosh.

2. Open the FreeMIDI Applications folder from the location into which you installed FreeMIDI, and double-click the **FreeMIDI Setup** icon to start it up.

3. When "**OMS is installed on this computer...**" appears, click **[FreeMIDI]**.

4. The first time the software is started up, a dialog box saying "**Welcome to FreeMIDI!**" will appear. Click **[Continue]**.

5. When the **FreeMIDI Preferences** dialog box appears, click **[Cancel]**.

6. When the **About Quick Setup** dialog box appears, click **[Cancel]**.

7

From the **File** menu, choose **Open**.

Open the **FreeMIDI Settings** folder copied in **Step 1**, select the file for the name of the port to which the SD-20 is connected, and click **[Open]**.

8

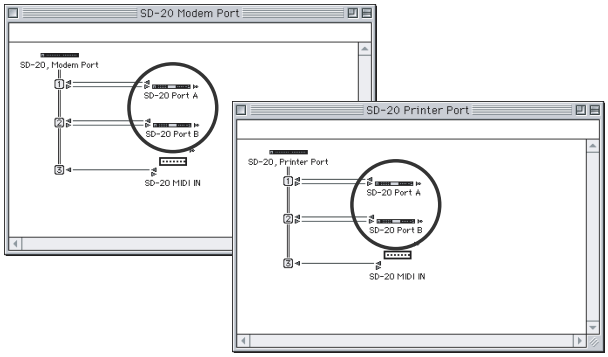
Verify that MIDI transmission and reception occur correctly.

From the **MIDI** menu, choose **Check Connections**.

9

The mouse cursor will change to the shape of a note. Click the sound generator icons encircled in the diagram at right.

If you hear sound, MIDI messages are being sent from the Macintosh to the SD-20.



Does the OUTPUT level indicator of the SD-20 move?

If the OUTPUT level meter in the SD-20's display is moving but you do not hear sound, check whether the volume of the SD-20 or your speaker system has been lowered. If the OUTPUT level meter does not move, check the connections and OMS settings once again.
After you have made settings correctly, choose **Test** once again from the **Studio** menu, and perform **step 9**.

MEMO

If the SD-20 does not produce sound, refer to **No sound** (p. 237).

10

Once again choose the **MIDI** menu command **Check Connections** to end the test.

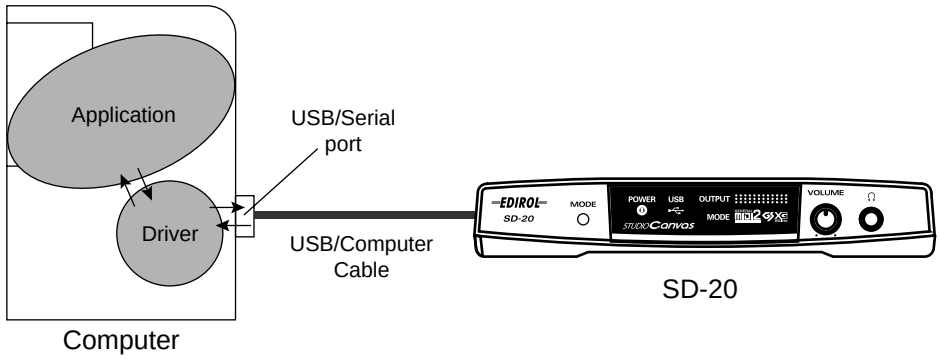
11

From the **File** menu, choose Quit to exit **FreeMIDI Setup**.

This completes connections for the SD-20 and Macintosh, and installation of the MIDI driver. Now, MIDI data can be input and output (recorded and played).

Anschlüsse herstellen und Treiber installieren (Windows)

Was ist ein Treiber?



Ein “Treiber” ist Software, die Daten zwischen dem SD-20 und Anwendungssoftware auf Ihrem Computer überträgt, wenn Ihr Computer und das SD-20 mit einem USB-Kabel miteinander verbunden sind. Der Treiber überträgt die Daten der Anwendung an das SD-20 sowie die Daten vom SD-20 an die Anwendung.

Das SD-20 kann mit Hilfe der “**BUS-Spannung**” betrieben werden, die via USB-Kabel geliefert wird. Das bedeutet, dass der Wechselstromadapter im Lieferumfang nicht erforderlich ist. Wenn Sie jedoch einen USB-Hub einsetzen oder wenn die Spannung, die via USB geliefert wird, nicht ausreicht, funktioniert das SD-20 eventuell nicht richtig. Wenn das der Fall ist, schließen Sie den mitgelieferten Wechselstromadapter an das SD-20 an. Bei der Installation des Treibers müssen Sie den Wechselstromadapter anschließen und den POWER-Schalter einschalten.

Welche Anschlussart?

Sie können entweder das USB-Kabel verwenden oder mit Hilfe des Computerkabels eine serielle Verbindung herstellen. Die Installation der Treiber und die Konfiguration der Einstellungen erfolgt entsprechend dem verwendeten Anschlusstyp.

USB-Verbindung .....(S. 59)

Serielle Verbindung .....(S. 71)

USB-Verbindung

Folgende Komponenten sind für die Anschlüsse und die Installation erforderlich. Bitte halten Sie sie bereit.

- SD-20
- Wechselstromadapter
- USB-Kabel
- CD-ROM

Die Vorgehensweise bei der Installation hängt von Ihrem System ab. Bitte lesen Sie abhängig von dem von Ihnen verwendeten System in einem der folgenden Abschnitte weiter.

- Windows XP-Anwender ..... (S. 59)
- Windows 2000-Anwender..... (S. 65)
- Windows Me/98-Anwender ..... (S. 69)

■ Windows XP-Anwender

1

Starten Sie Windows, wobei das SD-20 ausgesteckt ist.

Stecken Sie alle USB-Kabel außer der USB-Tastatur und der USB-Maus aus (falls vorhanden).

2

Öffnen Sie das Dialogfeld **Systemeigenschaften**.

1. Klicken Sie auf die Windows-Schaltfläche **[Start]** und wählen Sie im daraufhin angezeigten Menü **Systemsteuerung**.
2. Klicken Sie in "**Wählen Sie eine Kategorie**", auf "**Leistung und Wartung**".
3. Klicken Sie in "**oder wählen Sie ein Symbol der Systemsteuerung**" auf das Symbol **System**.

NOTE

Wenn Sie Windows XP Professional verwenden, müssen Sie sich mit einem Benutzernamen vom Typ Administrationskonto (zum Beispiel Administrator) anmelden. Einzelheiten zu Benutzerkonten erfahren Sie vom Systemadministrator Ihres Computers.

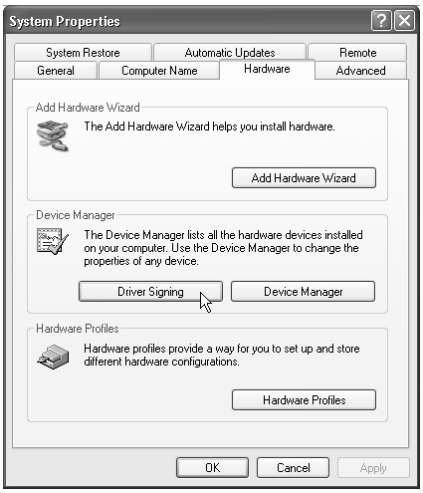
MEMO

Abhängig von der Konfiguration Ihres Systems kann es vorkommen, dass das Symbol**System** nicht sofort in der **Systemsteuerung** (in der klassischen Anzeige) angezeigt wird. Doppelklicken Sie in diesem Fall auf das Symbol System.

3

Öffnen Sie das Dialogfeld **Treibersignaturoptionen**.

Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]**.



4

Stellen Sie sicher, dass für "**Welche Aktion soll Windows durchführen?**" "**Ignorieren**" aktiviert ist.

Wenn "**Ignorieren**" bereits aktiviert ist, klicken Sie auf **[OK]**. Wenn "**Ignorieren**" nicht aktiviert ist, notieren Sie sich die aktuelle Einstellung ("Warnen" / "Sperren"). Ändern Sie danach die Einstellung auf **Ignorieren** und klicken Sie auf **[OK]**.

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

5

Schließen Sie das Dialogfeld **Systemeigenschaften**.

Klicken Sie auf **[OK]**.

6

Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Schließen Sie außerdem alle noch geöffneten Programmfenster. Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

7

Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk Ihres Computers ein.

MEMO

Wenn Sie die Option für **Welche Aktion soll Windows durchführen?** in Schritt 4 geändert haben, müssen Sie die Einstellungen wieder herstellen, nachdem Sie den Treiber installiert haben.
(->**Wenn Sie "Welche Aktion soll Windows durchführen?" geändert haben** (S. 64))

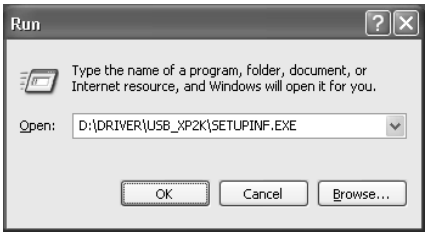
8

Öffnen Sie das Dialogfeld "**Ausführen...**".

Klicken Sie auf die Windows-Schaltfläche **Start**. Wählen Sie im daraufhin angezeigten Menü die Option **Ausführen**

9

Geben Sie im angezeigten Dialogfeld Folgendes in das Feld "**Öffnen**" ein und klicken Sie auf **[OK]**.



D:\DRIVER\USB_XP2K\SETUPINF.EXE

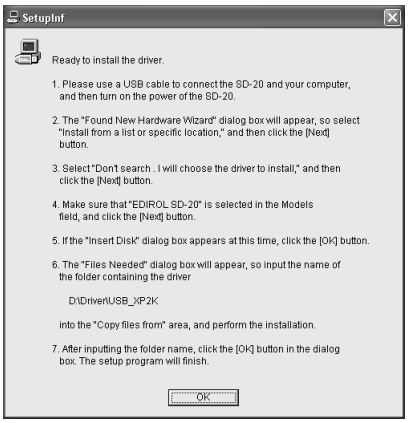
* *Der Name des Laufwerks "**D:**" kann abhängig von Ihrem System anders lauten. Geben Sie statt dessen den Laufwerknamen Ihres CD-ROM-Laufwerks an.*

10

Das Dialogfeld **SetupInf** wird angezeigt.

Jetzt kann der Treiber installiert werden.

* *Klicken Sie noch nicht auf **[OK]**.*


SetupInf
Ready to install the driver.
1. Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
2. The "Found New Hardware Wizard" dialog box will appear, so select "Install from a list or specific location," and then click the [Next] button.
3. Select "Don't search . I will choose the driver to install," and then click the [Next] button.
4. Make sure that "EDIROL SD-20" is selected in the Models field, and click the [Next] button.
5. If the "Insert Disk" dialog box appears at this time, click the [OK] button.
6. The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
D:\Driver\USB_XP2K
into the "Copy files from" area, and perform the installation.
7. After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

11

Schließen Sie das SD-20 an.

1. Stellen Sie den **Computerschalter** des SD-20 auf **USB**.
2. Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.
3. Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.
4. Verwenden Sie das **USB-Kabel**, um das **SD-20** mit Ihrem **Computer** zu verbinden.

12

Bringen Sie den Netzschalter des SD-20 in die Position ON.

Der Computer zeigt neben der Task-Leiste folgende Meldung an: "**Neue Hardware gefunden**". Bitte warten Sie einen Moment.

MEMO

In diesem Dokument wird die Position der Ordner und Dateien als Dateipfade unter Verwendung von \ als Trennzeichen angegeben. **USB_XP2K\SETUPINF.EXE** informiert Sie z.B. darüber, dass sich **SETUPINF.EXE** im Ordner **USB_XP2K** befindet.

MEMO

Wenn die Meldung "**Der Treiber ist bereits installiert**" angezeigt wird, können sie das SD-20 an Ihren Computer anschließen und verwenden.

NOTE

Auch wenn Sie normalerweise das SD-20 mit BUS-Spannung betreiben werden, verwenden Sie bitte den Wechselstromadapter, während Sie den Treiber installieren und Einstellungen vornehmen.

MEMO

Dieses Gerät wurde mit einem Schutzschaltkreis ausgestattet. Nach dem Einschalten benötigt das Gerät eine kurze Zeitspanne (einige Sekunden), bis es den normalen Betrieb aufnimmt.

13 Der Assistent **Neue Hardware gefunden** erscheint.

Prüfen Sie, ob der Bildschirm "**EDIROL SD-20**" anzeigt, wählen Sie "**Aus einer Liste wählen oder Speicherort angeben (Erweitert)**" und klicken Sie auf **[Weiter]**.

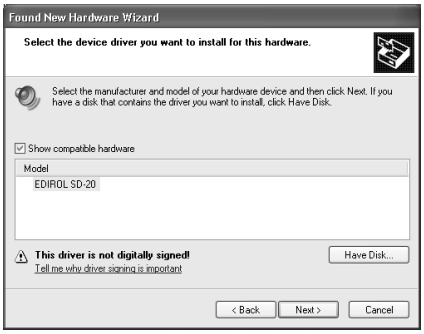
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
EDIROL SD-20
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

14 Im Bildschirm wird folgende Meldung angezeigt: "**Bitte wählen Sie Optionen für die Suche und Installation**".

Wählen Sie "**Nicht suchen. Ich werde den Treiber für die Installation auswählen**" und klicken Sie auf **[Weiter]**.

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
E:\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

15 Prüfen Sie, ob das Feld "**Modell**" "**EDIROL SD-20**" anzeigt und klicken Sie auf **[Weiter]**. Die Installation des Treibers beginnt.


Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
EDIROL SD-20
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

Wenn in Schritt 4 für **Welche Aktion soll Windows durchführen?** “Ignorieren” nicht aktiviert wurde, erscheint ein Dialogfeld mit der Meldung “Digitalsignatur nicht gefunden”.

Wenn für Welche Aktion soll Windows durchführen? “Warnen” aktiviert wurde,

1. klicken Sie auf **[Fortfahren]**.
2. Setzen Sie die Installation fort.

Wenn für “Welche Aktion soll Windows durchführen?” “Sperren” aktiviert wurde,

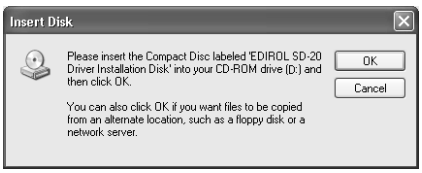
1. klicken Sie auf **[OK]**.
2. Wenn der “**Neue Hardware gefunden**” erscheint, klicken Sie auf **[Beenden]** .
3. Führen Sie die Installation aus, wie im Abschnitt “**Fehlerbehebung**” in **Device Manager shows “?”, “!”, or “USB Composite Device”** (S. 235) beschrieben.

Hardware Installation
The software you are installing for this hardware:
EDIROL SD-20
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

16

Das Dialogfeld **Diskette einlegen** wird angezeigt.

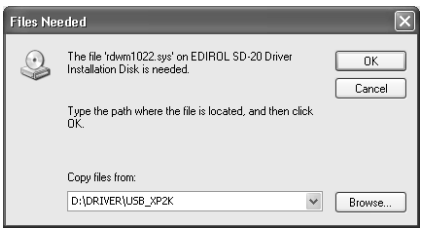
Klicken Sie auf **[OK]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (D:) and then click OK.
OK
Cancel
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.

17

Daraufhin wird das Dialogfeld **Benötigte Dateien** angezeigt.

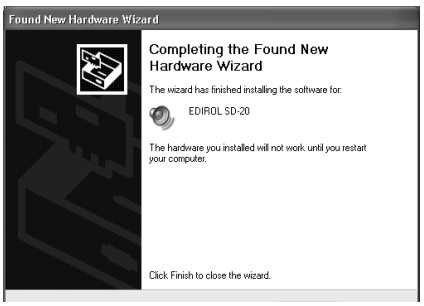
Geben Sie im Bereich **“Dateien kopieren von” D:\DRIVER\USB_XP2K** ein und klicken Sie auf **[OK]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

18

Der Assistent **Neue Hardware gefunden** erscheint.

Prüfen Sie, ob **EDIROL SD-20** angezeigt wird, und klicken Sie auf **[Beenden]**.
Warten Sie, bis die Meldung “**Neue Hardware gefunden**” in der Nähe der Task-Leiste angezeigt wird.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
EDIROL SD-20
The hardware you installed will not work until you restart your computer.
Click Finish to close the wizard.

19

Starten Sie Windows neu.

Nachdem der Treiber installiert wurde, wird das Dialogfeld **Geänderte Systemeinstellungen** angezeigt. Klicken Sie auf **[Ja]**.

Wenn Sie "Welche Aktion soll Windows durchführen?" geändert haben

Wenn Sie **Welche Aktion soll Windows durchführen?** in Schritt 5 geändert haben, sollten Sie die ursprüngliche Einstellung nach dem Neustart von Windows wiederherstellen.

1. Unter Windows XP Professional melden Sie sich in Windows mit einem Benutzernamen für das Administrationskonto an (z.B. Administrator).
2. Klicken Sie auf die Windows-Schaltfläche **[Start]** und wählen Sie im daraufhin angezeigten Menü **Systemsteuerung**.
3. Klicken Sie in "**Wählen Sie eine Kategorie aus**", auf "**Leistung und Wartung**".
4. Klicken Sie in "**oder wählen Sie ein Symbol der Systemsteuerung**" auf das Symbol **System**. Daraufhin werden die Systemeigenschaften angezeigt.
5. Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]**. Daraufhin werden die **Treibersignaturoptionen** angezeigt.
6. Stellen Sie die ursprünglichen Einstellungen für **Welche Aktion soll Windows durchführen?** wieder her (entweder "Warnen" oder "Sperren"), und klicken Sie auf **[OK]**.
7. Klicken Sie auf **[OK]**. Das Dialogfeld **Systemeigenschaften** wird

Als nächstes nehmen Sie die Einstellungen für den Treiber vor.
(-> **Einstellungen und Überprüfung** (S. 82)**)**

■ Windows 2000-Anwender

1

Starten Sie Windows, wobei das SD-20 ausgesteckt ist.

Stecken Sie alle USB-Kabel außer der USB-Tastatur und der USB-Maus aus (falls vorhanden).

2

Melden Sie sich in Windows als **Benutzer mit Administratorrechten** an (z.B. als Administrator).

3

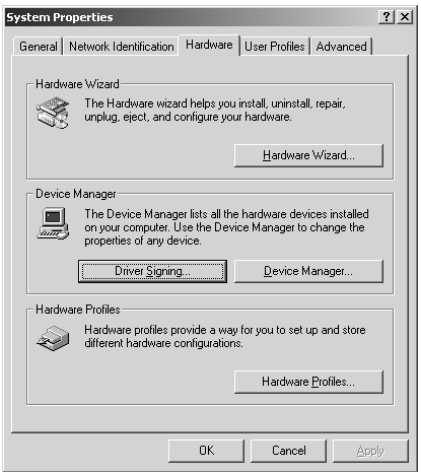
Öffnen Sie das Dialogfeld **Systemeigenschaften**.

Klicken Sie in Windows auf **Start** und wählen Sie im daraufhin angezeigten Menü **Einstellungen - Systemsteuerung**. Doppelklicken Sie in der **Systemsteuerung** auf das **System**-Symbol.

4

Öffnen Sie das Dialogfeld **Treibersignaturoptionen**.

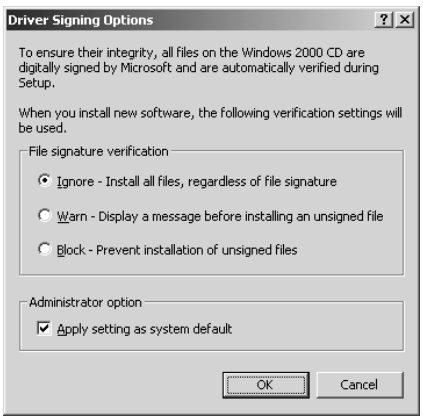
Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

5

Stellen Sie sicher, dass für "**Dateisignaturverifizierung**" "**Ignorieren**" aktiviert ist.

Wenn "**Ignorieren**" bereits aktiviert ist, klicken Sie auf **[OK]**. Wenn "**Ignorieren**" nicht aktiviert ist, notieren Sie sich die aktuelle Einstellung ("Warnen" oder "Sperren"). Ändern Sie dann die Einstellung auf "**Ignorieren**" und klicken Sie auf **[OK]**.


Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

MEMO

Wenn Sie die Einstellung für "Dateisignaturverifizierung" in Schritt 5 geändert haben, sollten Sie die ursprüngliche Einstellung nach dem Neustart von Windows wiederherstellen.
(->**Wenn Sie "Dateisignaturverifizierung" geändert haben** (S. 68))

6

Schließen Sie das Dialogfeld **Systemeigenschaften**.

Klicken Sie auf **[OK]**.

7

Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Schließen Sie außerdem alle noch geöffneten Programmfenster. Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

8

Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk Ihres Computers ein.

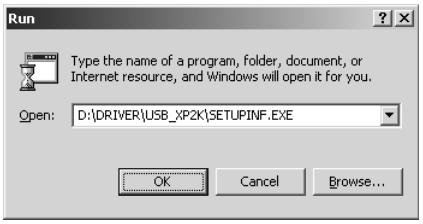
9

Öffnen Sie das Dialogfeld "**Ausführen...**".

Klicken Sie auf die Windows-Schaltfläche **Start**. Wählen Sie im daraufhin angezeigten Menü die Option **Ausführen**

10

Geben Sie im angezeigten Dialogfeld Folgendes in das Feld "**Öffnen**" ein und klicken Sie auf **[OK]**.



D:\DRIVER\USB_XP2K\SETUPINF.EXE

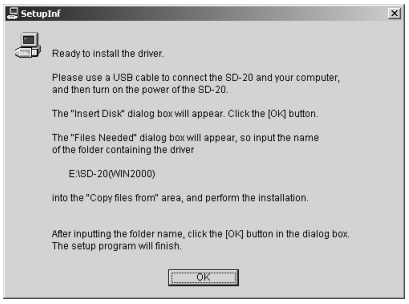
* *Der Name des Laufwerks "**D:**" kann abhängig von Ihrem System anders lauten. Geben Sie statt dessen den Laufwerknamen Ihres CD-ROM-Laufwerks an.*

11

Das Dialogfeld **SETUPINF** wird angezeigt.

Jetzt kann der Treiber installiert werden.

* *Klicken Sie noch nicht auf **[OK]**.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
The "Insert Disk" dialog box will appear. Click the [OK] button.
The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN2000)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

MEMO

In diesem Dokument wird die Position der Ordner und Dateien als Dateipfade unter Verwendung von \ als Trennzeichen angegeben. **USB_XP2K\SETUPINF.EXE** informiert Sie z.B. darüber, dass sich **SETUPINF.EXE** im Ordner **USB_XP2K** befindet.

12 Schließen Sie das SD-20 an.

1. Stellen Sie den **Computerschalter** des SD-20 auf **USB**.
2. Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.
3. Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.
4. Verwenden Sie das **USB-Kabel**, um das **SD-20** mit Ihrem **Computer** zu verbinden.

13 Bringen Sie den **Netzschalter** des SD-20 in die Position **ON**.

NOTE

Auch wenn Sie normalerweise das SD-20 mit BUS-Spannung betreiben werden, verwenden Sie bitte den Wechselstromadapter, während Sie den Treiber installieren und Einstellungen vornehmen.

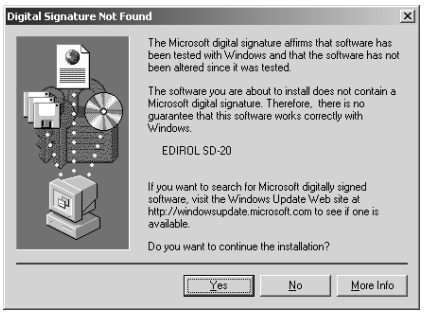
MEMO

Dieses Gerät wurde mit einem Schutzschaltkreis ausgestattet. Nach dem Einschalten benötigt das Gerät eine kurze Zeitspanne (einige Sekunden), bis es den normalen Betrieb aufnimmt.

Wenn in **Schritt 5** für "**Dateisignaturverifizierung**" "**Ignorieren**" nicht aktiviert wurde, erscheint die Meldung "**Digitalsignatur nicht gefunden**".

Wenn für "Dateisignaturverifizierung" "Warnen" aktiviert ist,

1. klicken Sie auf **[Ja]**.
2. Setzen Sie die Installation fort.

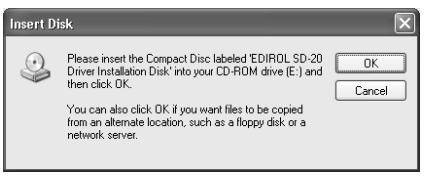

Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
EDIROL SD-20
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

Wenn für "Dateisignaturverifizierung" "Sperren" aktiviert ist,

1. klicken Sie auf **[OK]**.
2. Wenn der "**Suche nach neuen Hardwarekomponenten**" erscheint, klicken Sie auf **[Beenden]**.
3. Führen Sie die Installation aus, wie im Abschnitt "**Fehlerbehebung**" in **Device Manager shows "?", "!", or "USB Composite Device"** (S. 235) beschrieben.

14 Das Dialogfeld **Diskette einlegen** wird angezeigt.

Klicken Sie auf **[OK]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (E:) and then click OK.
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.
OK
Cancel

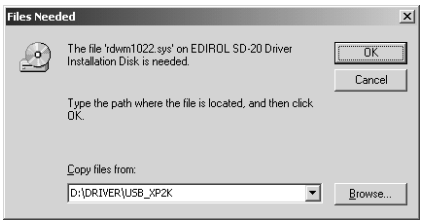
NOTE

Wenn das Dialogfeld "Diskette einlegen" nicht angezeigt wird, lesen Sie bitte **The "Insert Disk" dialog box does not appear** (S. 235))

English
Deutsch
Français
Italiano
Español

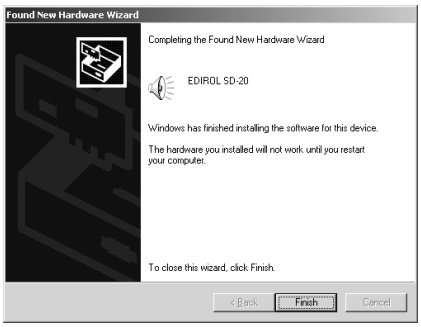
15 Daraufhin wird das Dialogfeld **Benötigte Dateien**angezeigt.

Geben Sie im Bereich **"Dateien kopieren von" D:\DRIVER\USB_XP2K** ein und klicken Sie auf **[OK]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

16 Möglicherweise wird der "**Neue Hardware gefunden**" angezeigt.

Prüfen Sie, ob "**EDIROL SD-20**" angezeigt wird und klicken Sie auf **[Beenden]**.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
EDIROL SD-20
Windows has finished installing the software for this device.
The hardware you installed will not work until you restart your computer.
To close this wizard, click Finish.
< Back
Finish
Cancel

17 Starten Sie Windows neu.

Möglicherweise wird das Dialogfeld **Geänderte Systemeinstellungen** angezeigt. Klicken Sie auf **[Ja]**. Windows startet anschließend automatisch neu.

Wenn Sie "Dateisignaturverifizierung" geändert haben

Wenn Sie die Einstellung für "Dateisignaturverifizierung" in Schritt 5 geändert haben, sollten Sie die ursprüngliche Einstellung nach dem Neustart von Windows wiederherstellen.

1. Nachdem Windows neu gestartet ist, melden Sie sich als Benutzer mit **Administratorrechten** an (z.B. als Administrator).
2. Klicken Sie auf dem Windows Desktop mit der rechten Maustaste auf das Symbol **Arbeitsplatz** und wählen Sie im daraufhin angezeigten Menü **Eigenschaften**. Das Dialogfeld **Systemeigenschaften** wird angezeigt.
3. Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]**. Daraufhin werden die **Treibersignaturoptionen** angezeigt.
4. Stellen Sie die ursprünglichen Einstellungen für **Dateisignaturverifizierung** wieder her (entweder "**Warnen**" oder "**Sperren**") und klicken Sie auf **[OK]**.
5. Klicken Sie auf **[OK]**. Das Dialogfeld **Systemeigenschaften** wird geschlossen.

Als nächstes nehmen Sie die Einstellungen für den Treiber vor.
(-> **Einstellungen und Überprüfung** (S. 82)

■ Windows Me/98-Anwender

1

Starten Sie Windows, wobei das SD-20 ausgesteckt ist.

Stecken Sie alle USB-Kabel außer der USB-Tastatur und der USB-Maus aus (falls vorhanden).

2

Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Schließen Sie außerdem alle noch geöffneten Programmfenster. Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

3

Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk Ihres Computers ein.

4

Öffnen Sie das Dialogfeld "**Ausführen...**".

Klicken Sie auf die Windows-Schaltfläche **Start**.
Wählen Sie im daraufhin angezeigten Menü die Option **Ausführen.**

5

Geben Sie im angezeigten Dialogfeld Folgendes in das Feld "**Öffnen**" ein und klicken Sie auf **[OK]**.

D:\DRIVER\USB_ME98\SETUPINF.EXE

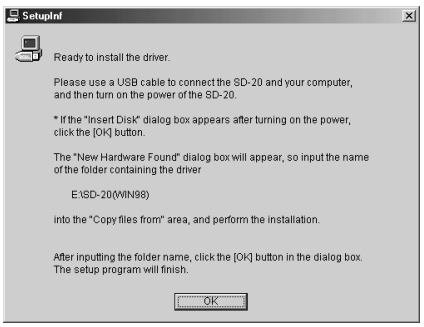
* *Der Name des Laufwerks "**D:**" kann abhängig von Ihrem System anders lauten. Geben Sie statt dessen den Laufwerknamen Ihres CD-ROM-Laufwerks an.*

6

Das Dialogfeld **SETUPINF** wird angezeigt.

Jetzt kann der Treiber installiert werden.

* *Klicken Sie noch nicht auf **[OK]**.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
* If the "Insert Disk" dialog box appears after turning on the power, click the [OK] button.
The "New Hardware Found" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN98)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

MEMO

In diesem Dokument wird die Position der Ordner und Dateien als Dateipfade unter Verwendung von \ als Trennzeichen angegeben. **USB_ME98\SETUPINF.EXE** informiert Sie z.B. darüber, dass sich **SETUPINF.EXE** im Ordner **USB_ME98** befindet.

7

Schließen Sie das SD-20 an.

1. Stellen Sie den **Computerschalter** des SD-20 auf **USB**.
2. Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.
3. Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.
4. Verwenden Sie das **USB-Kabel**, um das **SD-20** mit Ihrem **Computer** zu verbinden.

8

Bringen Sie den Netzschalter des SD-20 in die Position **ON**.

9

Unter Windows 98 wird ein Dialogfeld **Diskette einlegen** angezeigt.

Klicken Sie auf **[OK]**.

10

Das Dialogfeld **Neue Hardware gefunden** wird angezeigt.

Geben Sie im Bereich **"Dateien kopieren von"** **D:\DRIVER\USB_ME98** ein und klicken Sie auf die Schaltfläche **[OK]**.

New Hardware Found
The file 'rddp0022.dat' was not found.
Windows needs the disk labeled 'EDIROL SD-20 Driver Installation disk' to continue. This disk may be provided by your computer or device manufacturer.
Copy files from:
D:\DRIVER\USB_ME98
OK
Cancel
Skip File
Details...
Browse...

11

Sobald der Treiber installiert wurde, wird das Dialogfeld **Neue Hardware gefunden** geschlossen.

Klicken Sie im Dialogfeld **SETUPINF** auf **[OK]**. Das Dialogfeld **SETUPINF** wird geschlossen.

Als nächstes nehmen Sie die Einstellungen für den Treiber vor.
(-> **Einstellungen und Überprüfung** (S. 82)

NOTE

Auch wenn Sie normalerweise das SD-20 mit BUS-Spannung betreiben werden, verwenden Sie bitte den Wechselstromadapter, während Sie den Treiber installieren und Einstellungen vornehmen.

MEMO

Dieses Gerät wurde mit einem Schutzschaltkreis ausgestattet. Nach dem Einschalten benötigt das Gerät eine kurze Zeitspanne (einige Sekunden), bis es den normalen Betrieb aufnimmt.

NOTE

Wenn Sie Windows 98 verwenden und das Dialogfeld **Diskette einlegen** nicht angezeigt wird, lesen Sie bitte **The "Insert Disk" dialog box does not appear** (S. 235).

NOTE

Wenn das Dialogfeld **Neue Hardware gefunden** nicht angezeigt wird, installieren Sie den Treiber neu, wobei Sie die Schritte befolgen wie in**The "Insert Disk" dialog box does not appear** (S. 235) beschrieben.

Serielle Verbindung

Folgende Komponenten sind für die Anschlüsse und die Installation erforderlich. Bitte halten Sie sie bereit.

- SD-20
- Wechselstromadapter
- Computerkabel
- CD-ROM

Die Vorgehensweise bei der Installation hängt von Ihrem System ab. Bitte lesen Sie abhängig von dem von Ihnen verwendeten System in einem der folgenden Abschnitte weiter.

- Windows XP-Anwender ..... (S. 71)
- Windows 2000-Anwender..... (S. 76)
- Windows Me/98-Anwender ..... (S. 80)

■ Windows XP-Anwender

1 Stellen Sie sicher, dass das SD-20, Ihr Computer und alle peripheren Geräte ausgeschaltet sind.

2 Stellen Sie den **Computerschalter** des SD-20 auf **PC**.

3 Verwenden Sie das Computerkabel, um eine Verbindung mit dem seriellen Anschluss Ihres Computers und dem SD-20 herzustellen.

4 Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.

5 Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.

6 **Schalten Sie** das SD-20 und Ihren Computer wieder ein und starten Sie Windows.

7 Öffnen Sie das Dialogfeld **Systemeigenschaften**.

1. Klicken Sie auf die Windows-Schaltfläche **[Start]** und wählen Sie im daraufhin angezeigten Menü **Systemsteuerung**.
2. Klicken Sie in "**Wählen Sie eine Kategorie aus**", auf "**Leistung und Wartung**".
3. Klicken Sie in "**oder wählen Sie ein Symbol der Systemsteuerung**" auf das Symbol **System**.

NOTE

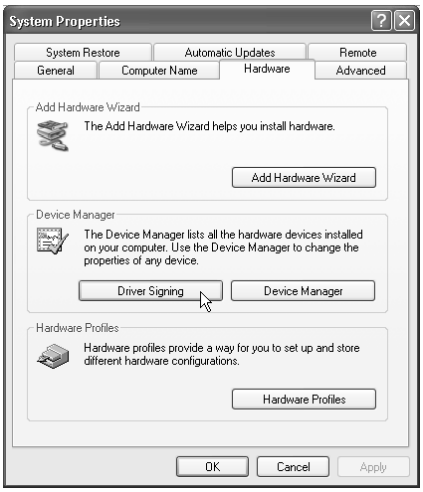
Wenn Sie Windows XP Professional verwenden, müssen Sie sich mit einem Benutzernamen vom Typ Administrationskonto (zum Beispiel Administrator) anmelden. Einzelheiten zu Benutzerkonten erfahren Sie vom Systemadministrator Ihres Computers.

MEMO

Nähere Informationen zur Herstellung der Verbindungen erhalten Sie unter **Basic connections** (S. 13)

8 Öffnen Sie das Dialogfeld **Treibersignaturoptionen**.

Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]** .



9 Stellen Sie sicher, dass für "**Welche Aktion soll Windows durchführen?**" "**Ignorieren**" aktiviert ist.

Wenn "**Ignorieren**" bereits aktiviert ist, klicken Sie auf **[OK]**. Wenn "**Ignorieren**" nicht aktiviert ist, notieren Sie sich die aktuelle Einstellung ("Warnen" oder "Sperren"). Ändern Sie dann die Einstellung auf **Ignorieren** und klicken Sie auf **[OK]**

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

10 Schließen Sie das Dialogfeld Systemeigenschaften.

Klicken Sie auf **[OK]**.

11 Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Schließen Sie außerdem alle noch geöffneten Programmfenster. Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

12 Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk Ihres Computers ein.

MEMO

Abhängig von der Konfiguration Ihres Systems kann es vorkommen, dass das Symbol **System** nicht sofort in der **Systemsteuerung** (in der klassischen Anzeige) angezeigt wird. Doppelklicken Sie in diesem Fall auf das Symbol System.

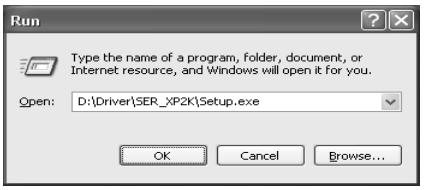
MEMO

Wenn Sie die Option für **Welche Aktion soll Windows durchführen?** in Schritt 9 geändert haben, müssen Sie die Einstellungen wieder herstellen, nachdem Sie den Treiber installiert haben.
(->**Wenn Sie "Welche Aktion soll Windows durchführen?" geändert haben** (S. 64))

13 Öffnen Sie das Dialogfeld "**Ausführen...**".

Klicken Sie auf die Windows-Schaltfläche **Start**. Wählen Sie im daraufhin angezeigten Menü die Option **Ausführen**

14 Geben Sie im angezeigten Dialogfeld Folgendes in das Feld "**Öffnen**" ein und klicken Sie auf **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *Der Name des Laufwerks "**D:**" kann abhängig von Ihrem System anders lauten. Geben Sie statt dessen den Laufwerknamen Ihres CD-ROM-Laufwerks an.*

15 Das Dialogfeld **Welcome** wird angezeigt.

Klicken Sie auf **[Next]**.

16 Ein Dialogfeld ähnlich dem folgenden wird angezeigt.

Klicken Sie auf **[Next]**.

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

MEMO

In diesem Dokument wird die Position der Ordner und Dateien als Dateipfade unter Verwendung von **** als Trennzeichen angegeben. **SER_XP2K\SETUP.EXE** informiert Sie z.B. darüber, dass sich **SETUP.EXE** im Ordner **SER_XP2K** befindet.

Wenn in **Schritt 9** für **Welche Aktion soll Windows durchführen** nicht "**Ignorieren**" aktiviert wurde, erscheint die Meldung "**Hardware-Installation**".

Wenn für Welche Aktion soll Windows durchführen? "Warnen" aktiviert wurde,

1. klicken Sie auf **[Trotzdem fortsetzen]**.
2. Setzen Sie die Installation fort.

Wenn für "Welche Aktion soll Windows durchführen?" "Sperren" aktiviert wurde,

1. klicken Sie auf **[OK]**.
2. Wenn der "**Neue Hardware gefunden**" erscheint, klicken Sie auf **[Beenden]**.
3. Führen Sie die Installation aus, wie im Abschnitt "**Fehlerbehebung**" in **Device Manager shows "?", "!", or "USB Composite Device"** (S. 235) beschrieben.

Hardware Installation
The software you are installing for this hardware:
Roland Serial MIDI Driver
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

17

Das Dialogfeld **Roland Serial MIDI Driver Settings** wird angezeigt.

Nehmen Sie folgende Einstellungen vor. Klicken Sie auf **[OK]**.

COM Ports

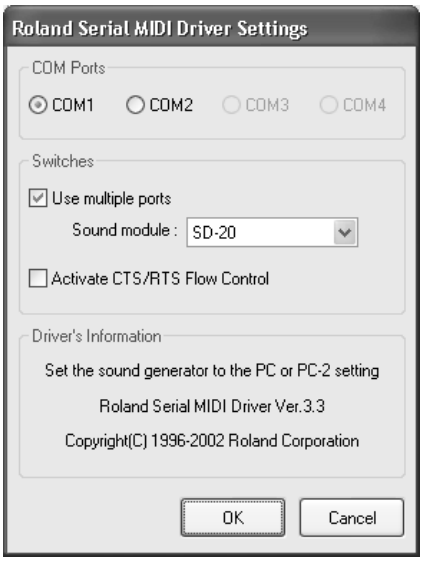
Wählen Sie den seriellen Anschluss (COM-Anschluss) aus, mit dem der serielle Anschluss des SD-20 verbunden ist.

Switches

Aktivieren Sie "**Use multiple ports**".

Klicken Sie auf das ▼-Symbol rechts vom Feld **[Sound module]** und wählen Sie **SD-20**.

* *Aktivieren Sie nicht "**Activate CTS/RTS Flow Control**".*



18

Nachdem der Treiber installiert wurde, wird das Dialogfeld **Computer neu starten** angezeigt. Starten Sie Ihren Computer neu.

Wenn Sie “Welche Aktion soll Windows durchführen?” geändert haben

Wenn Sie **Welche Aktion soll Windows durchführen?** in Schritt 5 geändert haben, sollten Sie die ursprüngliche Einstellung nach dem Neustart von Windows wiederherstellen.

1. Unter Windows XP Professional melden Sie sich in Windows mit einem Benutzernamen für das Administrationskonto an (z.B. Administrator).
2. Klicken Sie auf die Windows-Schaltfläche **[Start]** und wählen Sie im daraufhin angezeigten Menü **Systemsteuerung**.
3. Klicken Sie in “**Wählen Sie eine Kategorie aus**”, auf “**Leistung und Wartung**”.
4. Klicken Sie in “**oder wählen Sie ein Symbol der Systemsteuerung**” auf das Symbol **System**. Daraufhin werden die Systemeigenschaften angezeigt.
5. Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]**. Daraufhin werden die **Treibersignaturoptionen** angezeigt.
6. Stellen Sie die ursprünglichen Einstellungen für **Welche Aktion soll Windows durchführen?** wieder her (entweder “Warnen” oder “Sperren”), und klicken Sie auf **[OK]**
7. Klicken Sie auf **[OK]**. Das Dialogfeld **Systemeigenschaften** wird geschlossen.

Als nächstes nehmen Sie die Einstellungen für den Treiber vor.
(-> **Einstellungen und Überprüfung** (S. 82))

■ Windows 2000-Anwender

1 Stellen Sie sicher, dass das SD-20, Ihr Computer und alle peripheren Geräte ausgeschaltet sind.

2 Stellen Sie den **Computerschalter** des SD-20 auf **PC**.

3 Verwenden Sie das Computerkabel, um eine Verbindung mit dem seriellen Anschluss Ihres Computers und dem SD-20 herzustellen.

4 Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.

5 Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.

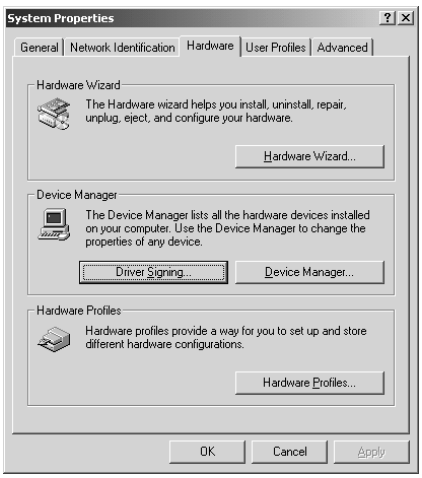
6 Schalten Sie das SD-20 und Ihren Computer wieder ein und starten Sie Windows.

7 Öffnen Sie das Dialogfeld **Systemeigenschaften**.

1. Klicken Sie in Windows auf **Start** und wählen Sie im daraufhin angezeigten Menü **Einstellungen - Systemsteuerung**.
2. Doppelklicken Sie in der **Systemsteuerung** auf das **System**-Symbol.

8 Öffnen Sie das Dialogfeld **Treibersignaturoptionen**.

Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

NOTE

Melden Sie sich in Windows mit einem Benutzernamen vom Typ Administrationskonto an (zum Beispiel Administrator). Einzelheiten zu Benutzerkonten erfahren Sie vom Systemadministrator Ihres Computers.

MEMO

Nähere Informationen zur Herstellung der Verbindungen erhalten Sie unter **Basic connections** (S. 13)

9

Stellen Sie sicher, dass für "**Dateisignaturverifizierung**" "**Ignorieren**" aktiviert ist.

Wenn "**Ignorieren**" bereits aktiviert ist, klicken Sie auf **[OK]**. Wenn "**Ignorieren**" nicht aktiviert ist, notieren Sie sich die aktuelle Einstellung ("Warnen" oder "Sperren"). Ändern Sie dann die Einstellung auf "**Ignorieren**" und klicken Sie auf **[OK]**.

Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

10

Schließen Sie das Dialogfeld **Systemeigenschaften**.

Klicken Sie auf **[OK]**.

11

Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Schließen Sie außerdem alle noch geöffneten Programmfenster. Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

12

Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk Ihres Computers ein.

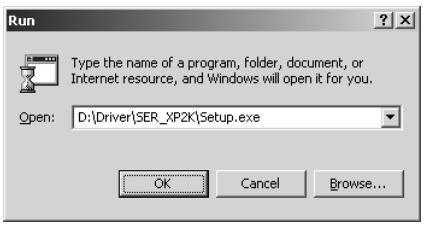
13

Öffnen Sie das Dialogfeld "**Ausführen...**".

Klicken Sie auf die Windows-Schaltfläche **Start**.
Wählen Sie im daraufhin angezeigten Menü die Option **Ausführen**

14

Geben Sie im angezeigten Dialogfeld Folgendes in das Feld "**Öffnen**" ein und klicken Sie auf **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *Der Name des Laufwerks "**D:**" kann abhängig von Ihrem System anders lauten. Geben Sie statt dessen den Laufwerknamen Ihres CD-ROM-Laufwerks an.*

MEMO

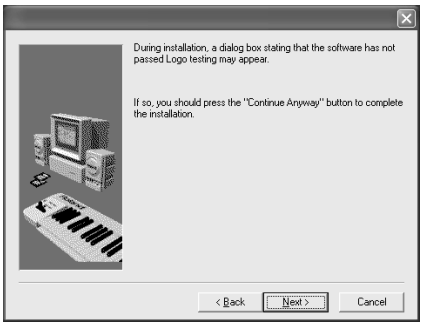
In diesem Dokument wird die Position der Ordner und Dateien als Dateipfade unter Verwendung von \ als Trennzeichen angegeben. **SER_XP2K\SETUP.EXE** informiert Sie z.B. darüber, dass sich **SETUP.EXE** im Ordner **SER_XP2K** befindet.

15 Das Dialogfeld **Welcome** wird angezeigt.

Klicken Sie auf **[Next]**.

16 Ein Dialogfeld ähnlich dem folgenden wird angezeigt.

Klicken Sie auf **[Next]**.

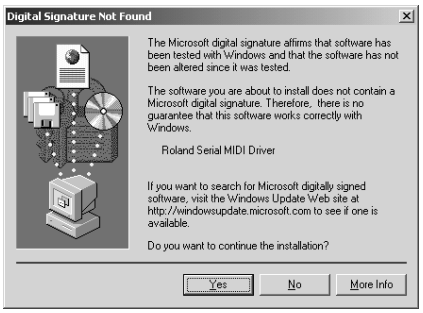

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

Wenn in **Schritt 9** für "**Dateisignaturverifizierung**" nicht "**Ignorieren**" aktiviert wurde, erscheint die Meldung "**Digitalsignatur nicht gefunden**".

Wenn für "Dateisignaturverifizierung" "Warnen" aktiviert wurde

1. Klicken Sie auf **[Ja]**.
2. Setzen Sie die Installation fort.

Wenn für "Dateisignaturverifizierung" "Sperren" aktiviert ist,


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Roland Serial MIDI Driver
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

1. Klicken Sie auf **[OK]**.
2. Wenn der Assistent "Suche nach neuen Hardwarekomponenten" erscheint, klicken Sie auf **[Beenden]**.
3. Führen Sie die Installation aus, wie im Abschnitt "**Fehlerbehebung**" in **Device Manager shows "?", "!", or "USB Composite Device"** (S. 235) beschrieben.

17

Das Dialogfeld **Roland Serial MIDI Driver Settings** wird angezeigt.

Nehmen Sie folgende Einstellungen vor. Klicken Sie auf **[OK]**.

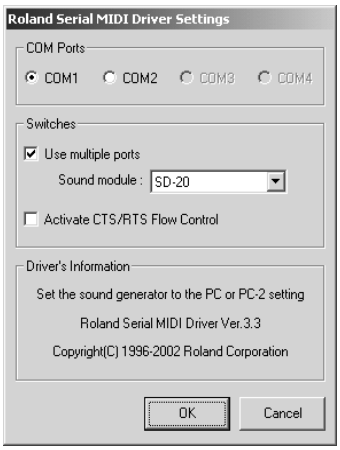
COM Ports

Wählen Sie den seriellen Anschluss (COM-Anschluss) aus, mit dem der serielle Anschluss des SD-20 verbunden ist.

Switches

Aktivieren Sie "**Use multiple ports**".

Klicken Sie auf das ▼-Symbol rechts vom Feld **[Sound module]** und wählen Sie **SD-20**.



* *Aktivieren Sie nicht "**Activate CTS/RTS Flow Control**".*

18

Nachdem der Treiber installiert wurde, wird das Dialogfeld **Computer neu starten** angezeigt. Starten Sie Ihren Computer neu.

Wenn Sie "Dateisignaturverifizierung" geändert haben

Wenn Sie die Einstellung für "Dateisignaturverifizierung" in Schritt 5 geändert haben, sollten Sie die ursprüngliche Einstellung nach dem Neustart von Windows wiederherstellen.

1. Nachdem Windows neu gestartet ist, melden Sie sich als Benutzer mit **Administratorrechten** an (z.B. als Administrator).
2. Klicken Sie auf dem Windows Desktop mit der rechten Maustaste auf das Symbol **Arbeitsplatz** und wählen Sie im daraufhin angezeigten Menü **Eigenschaften**. Das Dialogfeld **Systemeigenschaften** wird angezeigt.
3. Klicken Sie auf die Registerkarte **Hardware** und klicken Sie anschließend auf **[Treibersignierung]**. Daraufhin werden die **Treibersignaturoptionen** angezeigt.
4. Stellen Sie die ursprünglichen Einstellungen für **Dateisignaturverifizierung** wieder her ("**Warnen**" oder "**Sperren**") und klicken Sie auf **[OK]**.
5. Klicken Sie auf **[OK]**. Das Dialogfeld **Systemeigenschaften** wird geschlossen.

Als nächstes nehmen Sie die Einstellungen für den Treiber vor.
(->**Einstellungen und Überprüfung** (S. 82)

■ Windows Me/98-Anwender

1 Stellen Sie sicher, dass das SD-20, Ihr Computer und alle peripheren Geräte ausgeschaltet sind.

2 Stellen Sie den **Computerschalter** des SD-20 auf **PC**.

3 Verwenden Sie das Computerkabel, um eine Verbindung mit dem seriellen Anschluss Ihres Computers und dem SD-20 herzustellen.

4 Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.

5 Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.

6 Schalten Sie das SD-20 und Ihren Computer wieder ein und starten Sie Windows.

7 Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Schließen Sie außerdem alle noch geöffneten Programmfenster. Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

8 Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk Ihres Computers ein.

9 Öffnen Sie das Dialogfeld "**Ausführen...**".

Klicken Sie auf die Windows-Schaltfläche **Start**.
Wählen Sie im daraufhin angezeigten Menü die Option **Ausführen**

10 Geben Sie im angezeigten Dialogfeld Folgendes in das Feld "**Öffnen**" ein und klicken Sie auf **[OK]**.

D:\DRIVER\SER_ME98\DISK1\SETUP.EXE

* *Der Name des Laufwerks "**D:**" kann abhängig von Ihrem System anders lauten. Geben Sie statt dessen den Laufwerknamen Ihres CD-ROM-Laufwerks an.*

MEMO

Nähere Informationen zur Herstellung der Verbindungen erhalten Sie unter **Grundlegende Anschlüsse** (S. 17)

MEMO

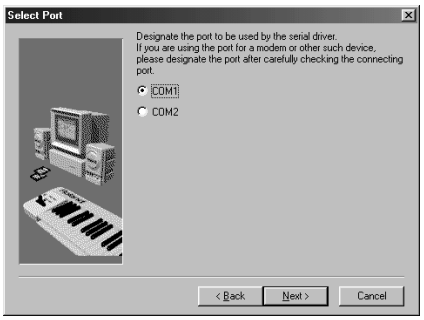
In diesem Dokument wird die Position der Ordner und Dateien als Dateipfade unter Verwendung von **** als Trennzeichen angegeben. **SER_ME98\SETUP.EXE** informiert Sie z.B. darüber, dass sich **SETUP.EXE** im Ordner **SER_ME98** befindet.

11 Das Dialogfeld **Welcome** wird angezeigt.

Klicken Sie auf **[Next]**.

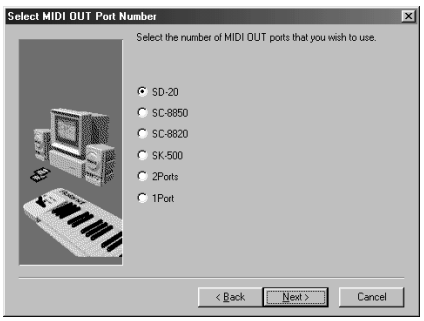
12 Daraufhin wird das Dialogfeld **Select port** angezeigt.

Wählen Sie den seriellen Anschluss (COM-Anschluss) aus, mit dem der serielle Anschluss des SD-20 verbunden ist, und klicken Sie auf **[Next]**.
Die Anzahl von COM-Anschlüssen variiert abhängig vom PC-System.


Select Port
Designate the port to be used by the serial driver.
If you are using the port for a modem or other such device, please designate the port after carefully checking the connecting port.
COM1
COM2
< Back
Next >
Cancel

13 Das Dialogfeld **Select MIDI OUT Port Number** wird angezeigt.

Wählen Sie SD-20 und klicken Sie auf **[Next]**.



14 Das Dialogfeld **Installation information** wird angezeigt.

Prüfen Sie den angezeigten Inhalt und klicken Sie auf **[Next]**.

15 Das Dialogfeld **Computer Switch Setting** wird angezeigt.

Prüfen Sie, ob der Computerschalter auf der Rückseite des SD-20 auf **[PC]** eingestellt ist und klicken Sie auf **[Next]**.
Wenn der Schalter nicht auf **[PC]** steht, führen Sie die angegebenen Schritte ab **Schritt 1** erneut aus.

16 Nachdem der Treiber installiert wurde, wird das Dialogfeld **Computer neu starten** angezeigt. Starten Sie Ihren Computer neu.

Als nächstes nehmen Sie die Einstellungen für den Treiber vor.
(-> **Einstellungen und Überprüfung** (S. 82)**)**

Einstellungen und Überprüfung

■ Windows XP/2000/Me-Anwender

1

Öffnen Sie die **Systemsteuerung**.

Klicken Sie in Windows auf **Start** und wählen Sie im daraufhin angezeigten Menü **Einstellungen - Systemsteuerung**.

Windows XP

Klicken Sie in Windows auf **Start** und wählen Sie im daraufhin angezeigten Menü **Systemsteuerung**.

2

Öffnen Sie das Dialogfeld **Eigenschaften von Sounds und Multimedia** (bzw. in Windows XP **Sounds und Audiogeräte-Eigenschaften**).

Windows 2000/Me

Doppelklicken Sie in der **Systemsteuerung** auf das Symbol **Sounds und Multimedia**, um das Dialogfeld "**Eigenschaften von Sounds und Multimedia**" zu öffnen.

Windows XP

Klicken Sie in "**Wählen Sie eine Kategorie**", auf "**Sounds, Sprache und Audiogeräte**". Als nächstes klicken Sie in "**oder wählen Sie ein Symbol in der Systemsteuerung**" auf das Symbol**Sounds und Audiogeräte**.

3

Klicken Sie auf die Registerkarte **Audio**.

4

Klicken Sie bei **MIDI-Musikwiedergabe** auf das ▼, das sich rechts von **[Bevorzugtes Gerät]** befindet (oder in Windows XP, **[Standardgerät]** und wählen Sie folgende Optionen aus der angezeigten Liste aus.

Für eine USB-Verbindung	EDIROL SD-20 PART A
Für eine serielle Verbindung	Roland Serial MIDI Out A

5

Klicken Sie auf **OK**, um die Konfiguration abzuschließen.

Wechseln Sie zur folgenden Seite:
Windows XP-Anwender..... (S. 84)
Windows 2000 / Me-Anwender..... (S. 85)

MEMO

Abhängig von der Konfiguration Ihres Systems kann es vorkommen, dass das Symbol**Sounds und Audiogeräte** nicht sofort in der **Systemsteuerung** (in der klassischen Anzeige) angezeigt wird. In diesem Fall doppelklicken Sie auf das Symbol **Sounds und Audiogeräte**.

■ Windows 98-Benutzer

1

Öffnen Sie die **Systemsteuerung**.

Klicken Sie in Windows auf **Start** und wählen Sie im daraufhin angezeigten Menü **Einstellungen - Systemsteuerung**.

2

Öffnen Sie das Dialogfeld **Eigenschaften für Multimedia**.

Doppelklicken Sie in der **Systemsteuerung** auf das Symbol **[Multimedia]**, um das Dialogfeld **Eigenschaften für Multimedia** zu öffnen.

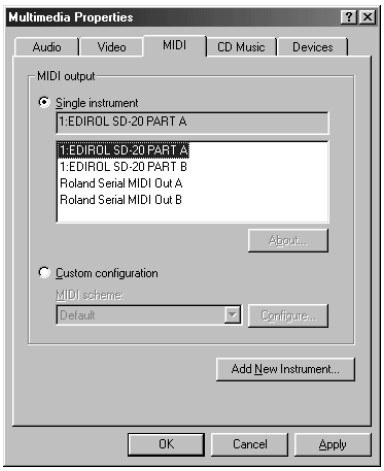
3

Klicken Sie auf das Register **MIDI**.

4

Konfigurieren Sie die "**MIDI-Ausgabe**".

Wählen Sie **[Einzelnes Instrument]** und wählen Sie eine der folgenden Optionen aus der angezeigten Liste.



Für eine USB-Verbindung	EDIROL SD-20 PART A
Für eine serielle Verbindung	Roland Serial MIDI Out A

5

Klicken Sie auf **OK**, um die Konfiguration abzuschließen.

Wechseln Sie zur folgenden Seite:
(-> **Überprüfung der Soundausgabe** (S. 85)**)**

Aktivierung der Hintergrunddienste

Nehmen Sie unter Windows XP folgende Einstellungen vor, um eine reibungslose MIDI-Verarbeitung zu ermöglichen. Diese Einstellungen sind unter
Windows 2000 / Me / 98 nicht verfügbar.

1 Klicken Sie in Windows auf **Start** und wählen Sie im daraufhin angezeigten Menü **Systemsteuerung**.

2 Klicken Sie in "**Wählen Sie eine Kategorie aus**", auf "**Leistung und Wartung**".

3 Klicken Sie in "**oder wählen Sie ein Symbol der Systemsteuerung**" auf das Symbol **System**.

4 Klicken Sie auf die Registerkarte **Erweitert**.

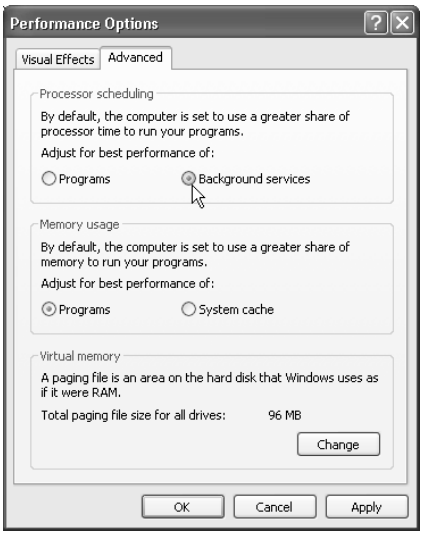
5 Klicken Sie auf **[Einstellungen]** rechts vom Feld Leistung. Daraufhin wird das Dialogfeld Systemleistungsoptionen angezeigt.

6 Klicken Sie auf die Registerkarte **Erweitert**.

7 Wählen Sie im Feld **Prozessorzeitplanung** die Option **Hintergrunddienste** und klicken Sie auf **OK**.

8 Klicken Sie im Dialogfeld Systemeigenschaften auf **[OK]**.

Das Dialogfeld **Systemeigenschaften** wird geschlossen.


Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives: 96 MB
Change
OK
Cancel
Apply

Wechseln Sie zur folgenden Seite:
(-> **Überprüfung der Soundausgabe** (S. 85)

Überprüfung der Soundausgabe

Als nächstes spielen Sie die Beispieldaten ab, um sicherzustellen, dass die Verbindungen, die Treiberinstallation und Einstellungen korrekt sind.

■ Abspielen der Beispieldaten

In diesem Beispiel wird Standard-Windows-Funktionalität für die Wiedergabe der Beispieldaten verwendet. Die Beispieldaten befinden sich auf der CD-ROM.

1

Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk Ihres Computers ein.

2

Öffnen Sie den Ordner **DemoSong** der CD-ROM und ziehen Sie die Datei **Demo01**(.MID) auf Ihren Desktop, um sie zu kopieren.

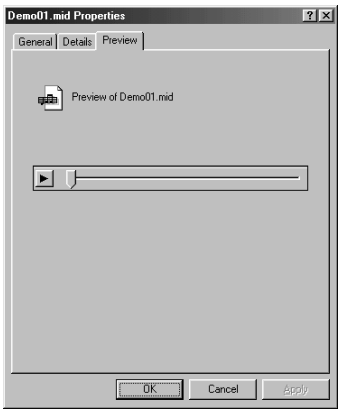
3

Klicken Sie mit der rechten Maustaste auf die kopierte Datei **Demo01**(.MID) und wählen Sie **Eigenschaften** (**Wiedergabe** unter Windows XP / 2000 / Me).

4

Spielen Sie die Beispieldaten ab.

Klicken Sie auf die Registerkarte **Vorschau** und klicken Sie anschließend auf die ▶ Schaltfläche.
Die Musikwiedergabe beginnt.



Wurden die Beispieldaten wiedergegeben?

Wenn die Beispieldaten einwandfrei wiedergegeben wurden, bedeutet das, dass Ihr PC und das SD-20 richtig angeschlossen sind und die Treiber vorschriftsmäßig installiert wurden.

MEMO

Die Verwendung von Songdaten, die mit diesem Produkt ausgeliefert werden, für andere als private Zwecke oder persönlichen Gebrauch sind ohne Genehmigung des Urheberrechtsinhabers gesetzlich verboten. Darüber hinaus dürfen diese Daten nicht kopiert oder in einem sekundären urheberrechtsgeschützten Werk ohne Genehmigung des Urheberrechtsinhabers verwendet werden.

MEMO

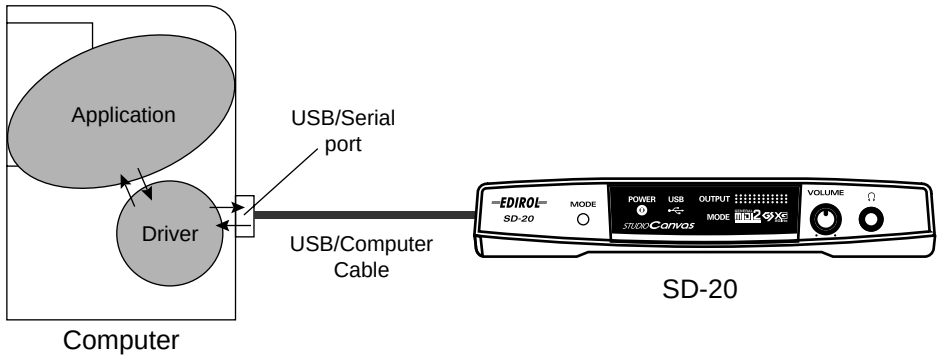
Die tatsächlich angezeigten Optionen auf Ihrem PC können abhängig von Ihrer PC-Umgebung und dem von Ihnen verwendeten Betriebssystem unterschiedlich sein.

MEMO

Wenn die Wiedergabe nicht einwandfrei erfolgte, lesen Sie bitte **Troubleshooting** (S. 232), um den Grund festzustellen. Dieser Abschnitt enthält Informationen dazu, wie Probleme wie z.B. fehlender Sound oder nicht einwandfreie Wiedergabe gelöst werden können.

Anschlüsse herstellen und Treiber installieren (Macintosh)

Was ist ein Treiber?



Ein “Treiber” ist Software, die Daten zwischen dem SD-20 und Anwendungssoftware auf Ihrem Computer überträgt, wenn Ihr Computer und das SD-20 mit einem USB-Kabel miteinander verbunden sind. Der Treiber überträgt die Daten der Anwendung an das SD-20 sowie die Daten vom SD-20 an die Anwendung.

Das SD-20 kann unter Verwendung der “**Bus-Spannung**” betrieben werden, die via USB-Kabel geliefert wird. Das bedeutet, dass der mitgelieferte Wechselstromadapter nicht erforderlich ist. Wenn Sie jedoch einen USB-Hub einsetzen oder wenn die Spannung, die via USB geliefert wird, nicht ausreicht, funktioniert das SD-20 eventuell nicht richtig. Wenn das der Fall ist, schließen Sie den mitgelieferten Wechselstromadapter an das SD-20 an. Auch wenn Sie das SD-20 mit Bus-Spannung betreiben, sollten Sie den Wechselstromadapter verwenden, wenn Sie den Treiber installieren.

Welche Anschlussart?

Sie können entweder das USB-Kabel verwenden oder mit Hilfe des Computerkabels eine serielle Verbindung herstellen. Die Installation der Treiber und die Konfiguration der Einstellungen erfolgt entsprechend dem Typ Anschluss, den Sie verwenden.

USB-Verbindung .....(S. 87)

Serielle Verbindung .....(S. 95)

USB-Verbindung

Folgende Komponenten sind für die Anschlüsse und die Installation erforderlich. Bitte halten Sie sie bereit.

- SD-20
- Wechselstromadapter
- USB-Kabel
- CD-ROM

1 Schalten Sie den Macintosh und alle Peripheriegeräte aus, die mit dem Macintosh verbunden sind.

2 Stellen Sie den **Computerschalter** des SD-20 auf **USB**.

3 Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.

4 Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.

5 Schalten Sie die Peripheriegeräte ein, die mit dem Macintosh verbunden sind. Lassen Sie das SD-20 dabei ausgeschaltet. Danach schalten Sie den Macintosh ein.

* *Schalten Sie zu diesem Zeitpunkt das SD-20 noch nicht ein.*

Wenn das SD-20 eingeschaltet wird, wird eine Nachricht ähnlich der folgenden angezeigt, wenn der Macintosh hochgefahren wird. Gehen Sie abhängig von der angezeigten Nachricht vor wie nachfolgend beschrieben.

Wenn die Meldung lautet:

“Driver required for USB device `unknown device' is not available. Search for driver on the Internet?”

-> Klicken Sie auf **[Cancel]**.

Wenn die Meldung lautet:

“Software required for using device `unknown device' cannot be found. Please refer to the manual included with the device, and install the necessary software.”

-> Klicken Sie auf **[OK]**.

Verwenden Sie entweder OMS oder FreeMIDI als MIDI-Treiber.

- Wennn Sie OMS verwenden ..... (S. 88)
- Wenn Sie FreeMIDI verwenden ..... (S. 92)

* *Entsprechend der von Ihnen verwendeten Sequenzer-Software muss auf Ihrem Macintosh entweder **OMS** oder **FreeMIDI** installiert sein.*

■ Installation des SD-20-Treibers (OMS)

Installieren Sie den SD-20-Treiber wie anschließend beschrieben.
Der **SD-20 OMS-Treiber** im Lieferumfang ist ein Add-On-Modul für die Verwendung des SD-20 mit OMS. Damit Sie dieses Modul verwenden können, muss **OMS auf der Festplatte, von der der Computer gestartet wird, bereits installiert sein**. Requi

Wenn Sie mehr über OMS erfahren möchten, lesen Sie bitte die Datei **OMS_2.3_Mac.pdf** (Online-Handbuch) im Ordner **OMS2.3.8**, der sich im Ordner OMS der CD-ROM befindet.

* *Trennen Sie das SD-20 vom Macintosh, bevor Sie die Installation ausführen.*

1

Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

2

Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk ein.

3

Doppelklicken Sie auf das Symbol **SD-20 USB Installer** (das sich im Ordner **Driver – OMS Driver** auf der CD-ROM befindet), um das Installationsprogramm zu starten.

4

Prüfen Sie, ob der richtige Installationsordner ausgewählt ist, und klicken Sie auf **[Install]**.

5

Falls eine Nachricht wie abgebildet angezeigt wird, klicken Sie auf **[Continue]**.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

Alle anderen aktuell ausgeführten Anwendungen werden anschließend beendet und die Installation wird fortgesetzt.

6

Ein Dialogfeld zeigt Folgendes an: Installation completed

Klicken Sie auf **[Restart]** , um den Macintosh neu zu starten.

7

Verwenden Sie das **USB-Kabel**, um das **SD-20** mit Ihrem **Computer** zu verbinden.

8

Bringen Sie den Netzschalter des SD-20 in die Position ON.

NOTE

Der OMS Treiber für dieses Produkt benötigt **OMS 2.3.5** oder später.

MEMO

OMS befindet sich im Ordner OMS2.3.8, der sich im Ordner OMS der CD-ROM befindet.

MEMO

Sie benötigen den Adobe Acrobat Reader, um OMS_2.3_Mac.pdf anzeigen zu können. Sie können die neueste Version des Adobe Acrobat Reader von der Adobe Webseite http://www.adobe.com herunterladen (diese URL kann ohne Vorankündigung geändert werden).

MEMO

Dieses Gerät ist mit einem Schutzschaltkreis ausgestattet. Nach dem Einschalten benötigt das Gerät eine kurze Zeitspanne (einige Sekunden), bis es den normalen Betrieb aufnimmt.

OMS-Einstellungen

1

Ziehen Sie den Ordner **Driver OMS Driver-OMS Settings** auf der CD-ROM auf die Festplatte Ihres Macintosh, um ihn zu kopieren.

2

Doppelklicken Sie im Ordner **Opcode-OMS Application**, in dem Sie OMS installiert haben, auf **OMS Setup**, um die Installation zu starten.

3

Wenn ein Dialogfeld ähnlich dem abgebildeten Dialogfeld angezeigt wird, klicken Sie auf **[Turn It Off]**. Anschließend wird ein Dialogfeld für die Bestätigung angezeigt. Klicken Sie hier auf **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

Daraufhin wird das Dialogfeld Create New Setup angezeigt.

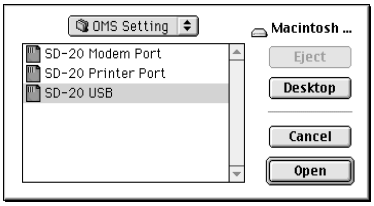
Klicken Sie auf **[Cancel]**. Wenn Sie versehentlich auf **[OK]** geklickt haben, klicken Sie im nächsten Bildschirm auf **[Cancel]**.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

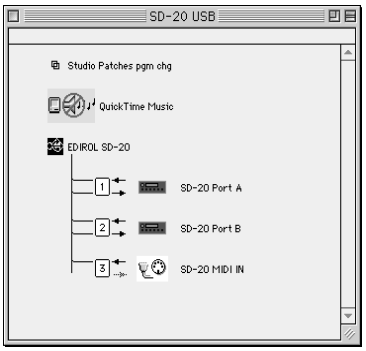
5

Wählen Sie im Menü File die Option "**Open**".

Wählen Sie im Ordner **OMS Settings**, den Sie in **Schritt 1** kopiert haben, die Datei **SD-20 USB**, und klicken Sie auf **[Open]**.



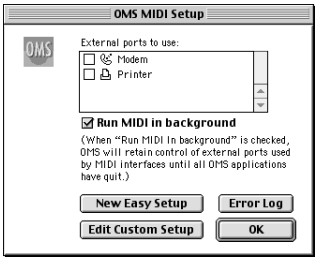
Ein Dialogfeld ähnlich dem hier gezeigten Dialogfeld wird angezeigt.



6

Wählen Sie im Menü **Edit** die Option **OMS MIDI Setup**.

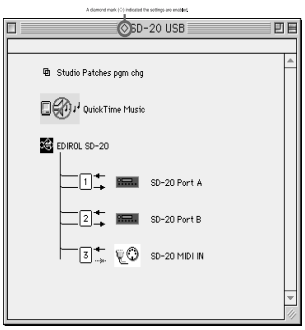
Aktivieren Sie im daraufhin angezeigten Dialogfeld **OMS MIDI Setup** die Option **Run MIDI in background** und klicken Sie auf **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

7

Wählen Sie im Menü **File** die Option **Make Current**.

Wenn Sie die Option **Make Current** nicht auswählen können, wurde sie bereits angewendet und Sie können mit dem nächsten Schritt weiterarbeiten.



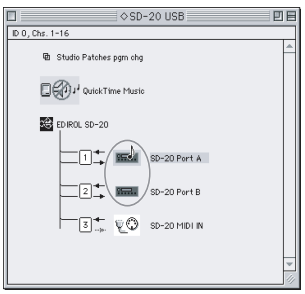
8

Prüfen Sie, ob die MIDI-Übertragung und der MIDI-Empfang fehlerfrei funktionieren. Wählen Sie im Menü **Studio** die Option **Test Studio**.

9

Wenn Sie den Mauszeiger über das Soundgenerator-Symbol bewegen, ändert sich der Mauszeiger zu einem ♪.

Klicken Sie auf die Soundgeneratorsymbole, die in der Abbildung mit einem Kreis markiert wurden. Wenn das SD-20 Sound ausgibt, wurden die Einstellungen korrekt vorgenommen. Wenn keine MIDI-Daten übertragen werden, gibt der Macintosh einen Warnton aus.



Bewegt sich die OUTPUT-Pegelanzeige des SD-20?

Wenn sich die Output-Pegel-Messanzeige in der Anzeige des SD-20 bewegt, aber kein Sound zu hören ist, prüfen Sie, ob die Lautstärke des SD-20 oder Ihres Lautsprechersystems zurückgedreht wurde. Wenn sich die OUTPUT-Pegel-Messanzeige nicht bewegt, prüfen Sie noch einmal die Anschlüsse und die OMS-Einstellungen.
Nachdem Sie die erforderlichen Einstellungen vorgenommen haben, wählen Sie erneut **Test** aus dem Menü **Studio** und führen **Schritt 9** aus.

MEMO

Wenn das SD-20 keinen Sound ausgibt, lesen Sie bitte **No sound** (S. 237).

10

Beenden Sie OMS Setup.

Wählen Sie im Menü **File** die Option **[Exit]**. Klicken Sie im Dialogfeld **AppleTalk Confirmation** auf **[OK]**, um das Dialogfeld zu schließen.

Damit wurden die Anschlüsse des SD-20 und des Macintosh sowie die Installation des MIDI-Treibers fertiggestellt. Nun können MIDI-Daten eingegeben und ausgegeben (aufgezeichnet und abgespielt) werden.

■ Installation des SD-20-Treibers (FreeMIDI)

Installieren Sie den SD-20-Treiber wie anschließend beschrieben. Der **SD-20 FreeMIDI-Treiber** im Lieferumfang ist ein Add-On-Modul für die Verwendung des SD-20 mit FreeMIDI. Damit Sie dieses Modul verwenden können, muss **FreeMIDI auf der Festplatte installiert sein, von der Sie den Computer gestartet haben**.

* *Trennen Sie das SD-20 vom Macintosh, bevor Sie die Installation ausführen.*

1

Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

2

Halten Sie die CD-ROM bereit.
Legen Sie die CD-ROM in das CD-ROM-Laufwerk ein.

3

Doppelklicken Sie auf das Symbol **SD-20 USB Installer** (das sich im Ordner **Driver – FreeMIDI – USB Connection** auf der CD-ROM befindet), um das Installationsprogramm zu starten.

4

Prüfen Sie, ob der richtige Installationsordner ausgewählt ist, und klicken Sie auf **[Install]**.

5

Falls eine Nachricht wie abgebildet angezeigt wird, klicken Sie auf **[Continue]**.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

Alle anderen aktuell ausgeführten Anwendungen werden anschließend beendet und die Installation wird fortgesetzt.

6

Ein Dialogfeld zeigt Folgendes an: Installation completed. Klicken Sie auf **[Restart]**, um den Macintosh neu zu starten.

7

Verwenden Sie das **USB-Kabel**, um das **SD-20** mit Ihrem **Computer** zu verbinden.

8

Betätigen Sie den Netzschalter des SD-20.

MEMO

Dieses Gerät ist mit einem Schutzschaltkreis ausgestattet. Nach dem Einschalten benötigt das Gerät eine kurze Zeitspanne (einige Sekunden), bis es den normalen Betrieb aufnimmt.

Einstellungen für FreeMIDI

1 Ziehen Sie den Ordner **Driver - FreeMIDI Driver - Settings** auf der CD-ROM auf die Festplatte Ihres Macintosh, um ihn zu kopieren.

2 Öffnen Sie den Ordner FreeMIDI Applications an dem Ort, an dem Sie FreeMIDI installiert haben, und doppelklicken Sie auf das Symbol **FreeMIDI Setup**, um die Installation zu starten.

3 Wenn "**OMS is installed on this computer...**" angezeigt wird, klicken Sie auf **[FreeMIDI]**.

4 Wenn die Software zum ersten Mal ausgeführt wird, wird das Dialogfeld "**Welcome to FreeMIDI!**" angezeigt. Klicken Sie auf **[Continue]**.

5 Wenn das Dialogfeld **FreeMIDI Preferences** angezeigt wird, klicken Sie auf **[Cancel]**.

6 Wenn das Dialogfeld **About Quick Setup** angezeigt wird, klicken Sie auf **[Cancel]**.

7 Wählen Sie im Menü **File** die Option **Open**.

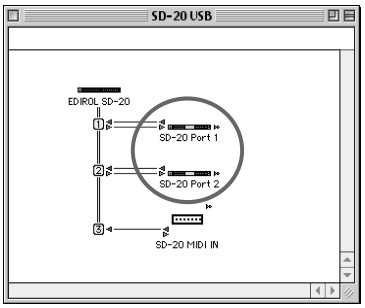
8 Wählen Sie im Ordner **FreeMIDI Settings** , den Sie in **Schritt 1** kopiert haben, die Datei **SD-20 USB**, und klicken Sie auf **[Open]**.

9 Prüfen Sie, ob die MIDI-Übertragung und der MIDI-Empfang fehlerfrei erfolgen.

Wählen Sie im Menü **MIDI** die Option **Check Connections**.

10 Der Mauszeiger nimmt die Gestalt einer Note an. Klicken Sie auf die Soundgenerator-Symbole, die in der Abbildung rechts mit einem Kreis gekennzeichnet wurden.

Wenn Sie Sound hören, werden MIDI-Nachrichten vom Macintosh an das SD-20 gesendet.



MEMO

Wenn das SD-20 keinen Sound ausgibt, lesen Sie bitte **No sound** (S. 237).

Bewegt sich die OUTPUT-Pegelanzeige des SD-20?

Wenn sich die Output-Pegel-Messanzeige in der Anzeige des SD-20 bewegt, aber kein Sound zu hören ist, prüfen Sie, ob die Lautstärke des SD-20 oder Ihres Lautsprechersystems zurückgedreht wurde. Wenn sich die OUTPUT-Pegel-Messanzeige nicht bewegt, prüfen Sie noch einmal die Anschlüsse und die OMS-Einstellungen.
Nachdem Sie die erforderlichen Einstellungen vorgenommen haben, wählen Sie erneut **Test** aus dem Menü **Studio** und führen **Schritt 10** aus.

11 Wählen Sie im Menü **MIDI** erneut den Befehl **Check Connections**, um den Test zu beenden.

12 Wählen Sie im Menü **File** die Option Quit, um **FreeMIDI Setup** zu beenden.

Damit wurden die Anschlüsse des SD-20 und des Macintosh sowie die Installation des MIDI-Treibers fertiggestellt. Nun können MIDI-Daten eingegeben und ausgegeben (aufgezeichnet und abgespielt) werden.

Serielle Verbindung

Folgende Komponenten sind für die Anschlüsse und die Installation erforderlich. Bitte halten Sie Folgendes bereit.

- SD-20
- Wechselstromadapter
- Computerkabel
- CD-ROM

1 Schalten Sie den Macintosh und alle Peripheriegeräte aus, die mit dem Macintosh verbunden sind.

2 Stellen Sie den **Computerschalter** des SD-20 auf **Mac**.

3 Verwenden Sie ein Computerkabel, um den **Modemanschluss** oder **Druckeranschluss** Ihres Macintosh mit dem SD-20 zu verbinden.

4 Verbinden Sie das **ausgeschaltete SD-20** mit dem **Wechselstromadapter**.

5 Verbinden Sie den **Wechselstromadapter** mit einer elektrischen Steckdose.

6 Schalten Sie das SD-20 und Ihren Macintosh ein.

MEMO

Dieses Gerät ist mit einem Schutzschaltkreis ausgestattet. Nach dem Einschalten benötigt das Gerät eine kurze Zeitspanne (einige Sekunden), bis es den normalen Betrieb aufnimmt.

■ Installation des SD-20-Treibers (OMS)

Installieren Sie den SD-20-Treiber wie anschließend beschrieben.
Der **SD-20 OMS-Treiber** im Lieferumfang ist ein Add-On-Modul für die Verwendung des SD-20 mit OMS. Damit Sie dieses Modul verwenden können, muss **OMS auf der Festplatte, von der der Computer gestartet wird, bereits installiert sein.**

Wenn Sie mehr über OMS erfahren möchten, lesen Sie bitte die Datei **OMS_2.3_Mac.pdf** (Online-Handbuch) im Ordner **OMS2.3.8**, der sich im Ordner OMS der CD-ROM befindet.

NOTE

Der OMS Treiber für dieses Produkt benötigt **OMS 2.3.5** oder später.

MEMO

OMS befindet sich im Ordner OMS2.3.8, der sich im Ordner OMS der CD-ROM befindet.

MEMO

Sie benötigen den Adobe Acrobat Reader, um OMS_2.3_Mac.pdf anzeigen zu können. Sie können die neueste Version des Adobe Acrobat Reader von der Adobe Webseite herunterladen (diese URL kann ohne Vorankündigung geändert werden)

1 Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

2 Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk ein.

3

Doppelklicken Sie auf das Symbol **SD-20 Serial Installer** (das sich im Ordner **Driver – OMS Driver** auf der CD-ROM befindet), um das Installationsprogramm zu starten.

4

Prüfen Sie, ob der richtige Installationsordner ausgewählt ist, und klicken Sie auf **[Install]**.

5

Falls eine Nachricht wie abgebildet angezeigt wird, klicken Sie auf **[Continue]**.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

Alle anderen aktuell ausgeführten Anwendungen werden anschließend beendet und die Installation wird fortgesetzt.

6

Ein Dialogfeld zeigt Folgendes an: Installation completed.

Klicken Sie auf **[Restart]**, um den Macintosh neu zu starten.

OMS-Einstellungen

1

Ziehen Sie den Ordner **Driver OMS Driver-OMS Settings** auf der CD-ROM auf die Festplatte Ihres Macintosh, um ihn zu kopieren.

2

Doppelklicken Sie im Ordner **Opcode-OMS Application**, in dem Sie OMS installiert haben, auf **OMS Setup**, um die Installation zu starten.

3

Wenn ein Dialogfeld ähnlich dem abgebildeten Dialogfeld angezeigt wird, klicken Sie auf **[Turn It Off]**. Anschließend wird ein Dialogfeld für die Bestätigung angezeigt. Klicken Sie hier auf **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

Daraufhin wird das Dialogfeld Create New Setup angezeigt.

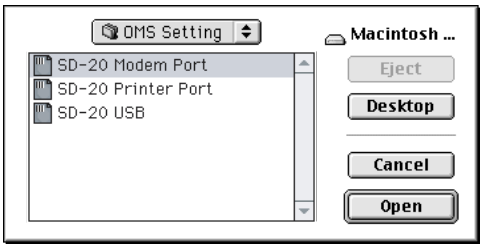
Klicken Sie auf **[Cancel]**. Wenn Sie versehentlich auf **[OK]** geklickt haben, klicken Sie im nächsten Bildschirm auf **[Cancel]**.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

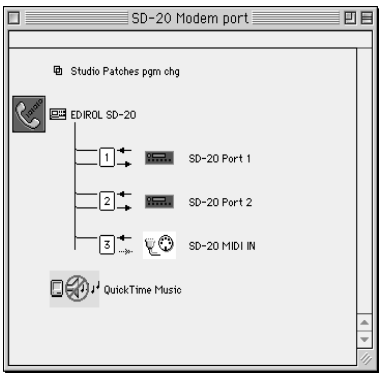
5

Wählen Sie im Menü File die Option "**Open**".

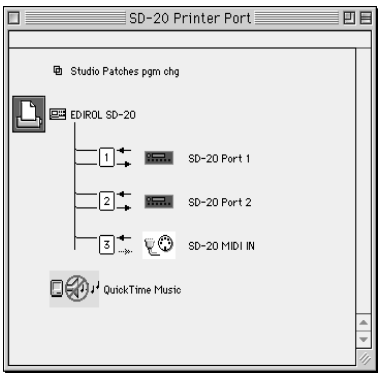
Öffnen Sie den Ordner **OMS Settings**, der in **Schritt 1** kopiert wurde, wählen Sie die Datei für den Anschluss, mit dem das SD-20 verbunden ist, und klicken Sie auf **[Open]**.



Ein Dialogfeld ähnlich dem hier gezeigten Dialogfeld wird angezeigt.



Opening the SD-20 Modem Port file



Opening the SD-20 Printer Port file

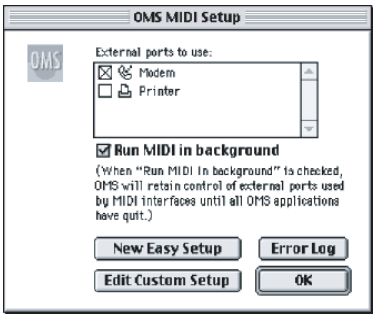
MEMO

Beim Anschluss an einen kombinierten Modem / Druckeranschluss, wie z.B. PowerBooks, wählen Sie die Datei "SD-20 Modem Port".

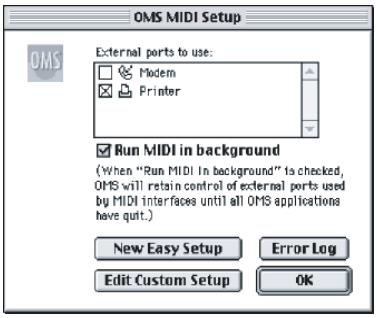
6

Wählen Sie im Menü **Edit** die Option **OMS MIDI Setup**.

Aktivieren Sie im daraufhin angezeigten Dialogfeld **OMS MIDI Setup** die Option **Run MIDI in background** und klicken Sie auf **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Modem Port file


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

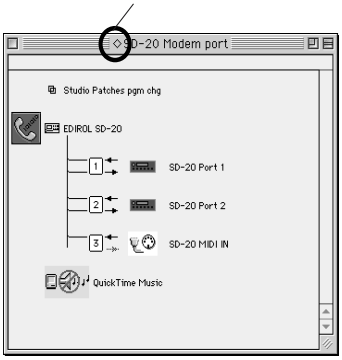
Opening the SD-20 Printer Port file

7

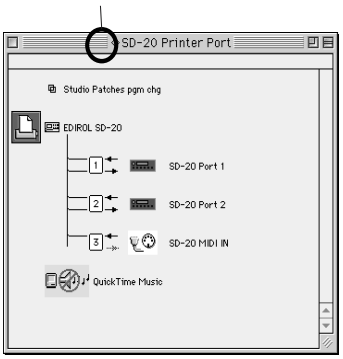
Wählen Sie im Menü **File** die Option **Make Current**.

Wenn Sie die Option **Make Current** nicht auswählen können, wurde sie bereits angewendet und Sie können mit dem nächsten Schritt weiterarbeiten.

A diamond mark (◊) indicates the settings are enabled.



Opening the SD-20 Modem Port file



Opening the SD-20 Printer Port file

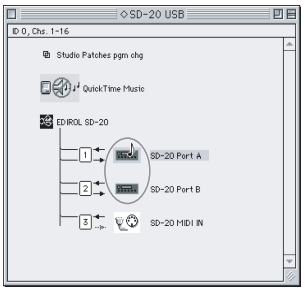
8

Prüfen Sie, ob die MIDI-Übertragung und der MIDI-Empfang fehlerfrei funktionieren. Wählen Sie im Menü **Studio** die Option **Test Studio**.

9

Wenn Sie den Mauszeiger über das Soundgenerator-Symbol bewegen, ändert sich der Mauszeiger zu einem ♪.

Klicken Sie auf die Soundgeneratorsymbole, die in der Abbildung mit einem Kreis markiert wurden. Wenn das SD-20 Sound ausgibt, wurden die Einstellungen korrekt vorgenommen. Wenn keine MIDI-Daten übertragen werden, gibt der Macintosh einen Warnton aus.



Bewegt sich die OUTPUT-Pegelanzeige des SD-20?

Wenn sich die Output-Pegel-Messanzeige in der Anzeige des SD-20 bewegt, aber kein Sound zu hören ist, prüfen Sie, ob die Lautstärke des SD-20 oder Ihres Lautsprechersystems zurückgedreht wurde. Wenn sich die OUTPUT-Pegel-Messanzeige nicht bewegt, prüfen Sie noch einmal die Anschlüsse und die OMS-Einstellungen.
Nachdem Sie die erforderlichen Einstellungen vorgenommen haben, wählen Sie erneut **Test** aus dem Menü **Studio** und führen **Schritt 9** aus.

MEMO

Wenn das SD-20 keinen Sound ausgibt, lesen Sie bitte **No sound** (S. 237).

10

Beenden Sie OMS Setup.

Wählen Sie im Menü **File** die Option **[Exit]**. Klicken Sie im Dialogfeld **AppleTalk Confirmation** auf **[OK]**, um das Dialogfeld zu schließen.

Damit wurden die Anschlüsse des SD-20 und des Macintosh sowie die Installation des MIDI-Treibers fertiggestellt. Nun können MIDI-Daten eingegeben und ausgegeben (aufgezeichnet und abgespielt) werden.

■ Installation des SD-20-Treibers (FreeMIDI)

Installieren Sie den SD-20-Treiber wie anschließend beschrieben. Der **SD-20 FreeMIDI-Treiber** im Lieferumfang ist ein Add-On-Modul für die Verwendung des SD-20 mit FreeMIDI. Damit Sie dieses Modul verwenden können, muss **FreeMIDI auf der Festplatte installiert sein, von der Sie den Computer gestartet haben**.

1

Beenden Sie alle aktuell ausgeführten Programme (Anwendungen).

Wenn Sie ein Virenschutzprogramm oder ähnliche Software verwenden, müssen Sie diese ebenfalls beenden.

2 Halten Sie die CD-ROM bereit.

Legen Sie die CD-ROM in das CD-ROM-Laufwerk ein.

3 Doppelklicken Sie auf das Symbol **SD-20 Serial Installer** (das sich im Ordner **Driver – FreeMIDI Driver - Serial Connection** auf der CD-ROM befindet), um das Installationsprogramm zu starten.

4 Klicken Sie auf **[Install]**.

5 Es wird ein Dialogfeld angezeigt, das Sie darüber informiert, das Sie Ihren Macintosh neu starten müssen, sobald die Installation abgeschlossen ist. Klicken Sie auf **[Continue]**.

6 Wenn die Installation abgeschlossen ist, klicken Sie auf **[Restart]**.

Einstellungen für FreeMIDI

1 Kopieren Sie den Ordner **Driver - FreeMIDI Driver – Settings** auf der CD-ROM auf die Festplatte Ihres Macintosh, um ihn zu kopieren.

2 Öffnen Sie den Ordner FreeMIDI Applications an dem Ort, an dem Sie FreeMIDI installiert haben, und doppelklicken Sie auf das Symbol **FreeMIDI Setup**, um die Installation zu starten.

3 Wenn "**OMS is installed on this computer...**" angezeigt wird, klicken Sie auf **[FreeMIDI]**.

4 Wenn die Software zum ersten Mal ausgeführt wird, wird das Dialogfeld "**Welcome to FreeMIDI!**" angezeigt. Klicken Sie auf **[Continue]**.

5 Wenn das Dialogfeld **FreeMIDI Preferences** angezeigt wird, klicken Sie auf **[Cancel]**.

6 Wenn das Dialogfeld **About Quick Setup** angezeigt wird, klicken Sie auf **[Cancel]**.

7 Wählen Sie im Menü **File** die Option **Open**.

Öffnen Sie den Ordner **FreeMIDI Settings**, der in **Schritt 1** kopiert wurde, wählen sie die Datei für den Anschluss, mit dem das SD-20 verbunden ist, und klicken Sie auf **[Open]**.

8

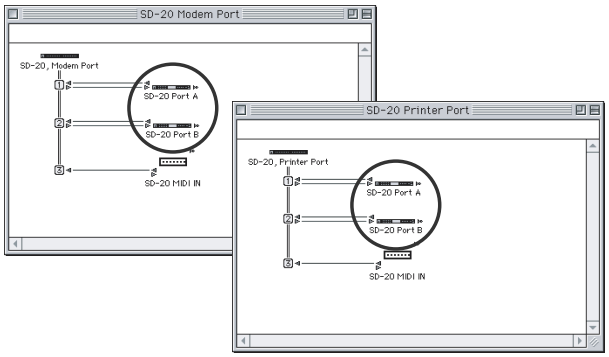
Prüfen Sie, ob die MIDI-Übertragung und der MIDI-Empfang fehlerfrei erfolgen.

Wählen Sie im Menü **MIDI** die Option **Check Connections**.

9

Der Mauszeiger nimmt die Gestalt einer Note an. Klicken Sie auf die Soundgenerator-Symbole, die in der Abbildung rechts mit einem Kreis gekennzeichnet wurden.

Wenn Sie Sound hören, werden MIDI-Nachrichten vom Macintosh an das SD-20 gesendet.



Bewegt sich die OUTPUT-Pegelanzeige des SD-20?

Wenn sich die Output-Pegel-Messanzeige in der Anzeige des SD-20 bewegt, aber kein Sound zu hören ist, prüfen Sie, ob die Lautstärke des SD-20 oder Ihres Lautsprechersystems zurückgedreht wurde. Wenn sich die OUTPUT-Pegel-Messanzeige nicht bewegt, prüfen Sie noch einmal die Anschlüsse und die OMS-Einstellungen.
Nachdem Sie die erforderlichen Einstellungen vorgenommen haben, wählen Sie erneut **Test** aus dem Menü **Studio** und führen **Schritt 9** aus.

MEMO

Wenn das SD-20 keinen Sound ausgibt, lesen Sie bitte **No sound** (S. 237).

10

Wählen Sie im Menü **MIDI** erneut den Befehl **Check Connections**, um den Test zu beenden.

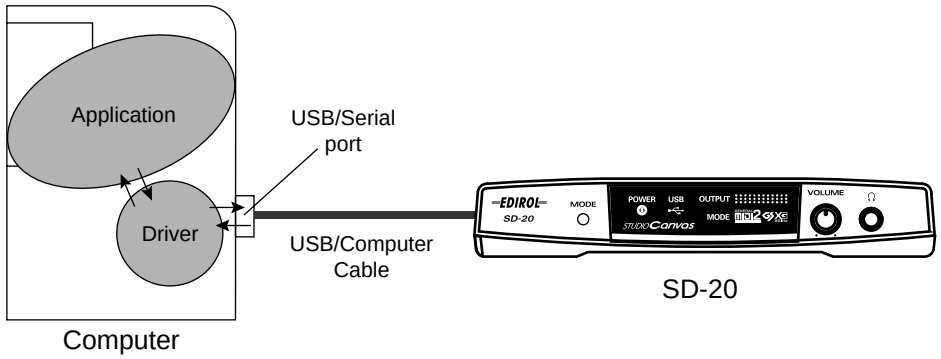
11

Wählen Sie im Menü **File** die Option Quit, um **FreeMIDI Setup** zu beenden.

Damit wurden die Anschlüsse des SD-20 und des Macintosh sowie die Installation des MIDI-Treibers fertiggestellt. Nun können MIDI-Daten eingegeben und ausgegeben (aufgezeichnet und abgespielt) werden.

Installation des pilotes et connexions (Windows)

Qu'est-ce qu'un pilote ?



Un “pilote” est un logiciel qui sert à transférer les données entre le SD-20 et le logiciel tournant sur votre ordinateur, lorsque votre ordinateur et le SD-20 sont reliés par un câble USB. Le pilote transmet les données de l'application au SD-20 et vice-versa.

Le SD-20 peut fonctionner avec l “**alimentation BUS**” fournie par le câble USB. Dans ce cas, l’adaptateur secteur fourni n’est pas nécessaire. Cependant, si vous utilisez un répartiteur USB, ou si la connexion USB ne fournit pas une alimentation suffisante, le SD-20 peut connaître des problèmes d’alimentation. Dans ce cas, utilisez l’adaptateur secteur pour alimenter le SD-20.
Lorsque vous installez le pilote, branchez l’adaptateur secteur et mettez l’interrupteur POWER sur ON.

Quel est le type de connexion ?

Vous pouvez utiliser soit un câble USB, soit un câble série pour réaliser une connexion série. Selon le type de connexion que vous utilisez, installez le pilote correspondant et configurez-le de manière adaptée.

Connexion USB.....(p. 103)

Connexion série.....(p. 115)

Connexion USB

Vous aurez besoin des éléments suivants pour l'installation et les connexions. Veuillez les tenir prêts.

- SD-20
- Adaptateur secteur
- Câble USB
- CD-ROM

La procédure d'installation dépend de votre système d'exploitation. Veuillez lire la section qui vous concerne.

- Windows XP ..... (p. 103)
- Windows 2000 ..... (p. 109)
- Windows Me / 98 ..... (p. 113)

■ Windows XP

1

Le SD-20 déconnecté, démarrez l'ordinateur.

Débranchez tous les câbles USB, à l'exception de ceux du clavier et de la souris (le cas échéant).

2

Ouvrez la boîte de dialogue **Propriétés Système**.

1. Cliquez sur le menu **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Panneau de configuration**.
2. Dans "**Choisissez une catégorie**", cliquez sur "**Performances et maintenance**".
3. Dans "**ou choisissez une icône du Panneau de configuration**" cliquez sur l'icône **Système**.

NOTE

Si vous utilisez Windows XP Professional, vous devez ouvrir une session avec un nom d'utilisateur disposant des droits d'administrateur. Pour plus de détails sur les comptes utilisateur, veuillez prendre contact avec l'administrateur système de votre ordinateur.

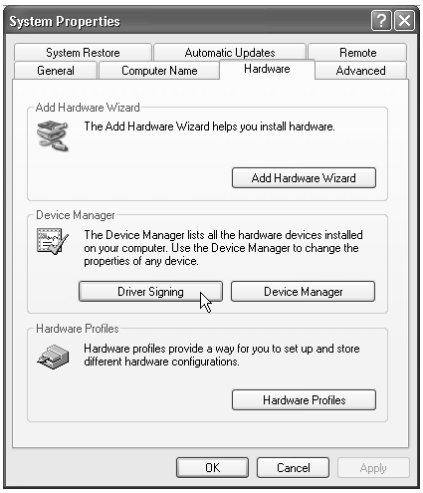
MEMO

Selon la configuration de votre ordinateur, l'icône **Système** s'affiche peut-être dans le **Panneau de configuration** (Vue classique). Dans ce cas, cliquez deux fois sur l'icône Système.

3

Ouvrez la boîte de dialogue **Options de signature des pilotes**.

Cliquez sur l'onglet **Matériel**, puis cliquez sur **[Signature du pilote]**.



4

Assurez-vous que l'option "**Que voulez-vous faire ?**" est définie sur "**Ignorer**"

Si c'est le cas (**"Ignorer"**), cliquez sur **[OK].**
Si elle n'est pas définie sur **"Ignorer"**, notez le paramètre indiqué ("Avertir" ou "Bloquer"). Choisissez ensuite **"Ignorer"** et cliquez sur **[OK]**.

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

5

Fermez la boîte de dialogue **Propriétés Système**.

Cliquez sur **[OK]**.

6

Quittez tous les logiciels (applications) actifs.

Fermez également toutes les fenêtres éventuellement ouvertes. Si vous utilisez un anti-virus, quittez-le également.

7

Munissez-vous du CD-ROM.

Introduisez-le dans le lecteur de CD de votre ordinateur.

8

Ouvrez la boîte de dialogue **Exécuter...**

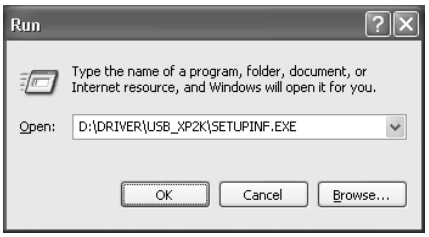
Cliquez sur le bouton **Démarrer** de Windows. Dans le menu qui s'affiche, sélectionnez **Exécuter...**.

MEMO

Si vous avez modifié "**Que voulez-vous faire ?**" à l'étape 4, vous devez rétablir le paramètre d'origine après installation du pilote. (->**Si vous avez modifié "Que voulez-vous faire ?"** (p. 108))

9

Dans la boîte de dialogue qui s'affiche, tapez ce qui suit dans le champ "**Ouvrir**", puis cliquez sur **[OK]**.



D:\DRIVER\USB_XP2K\SETUPINF.EXE

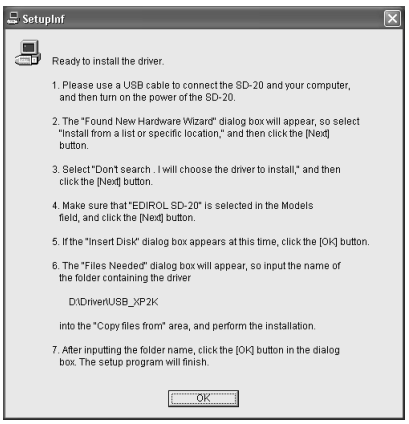
* *La lettre du lecteur **"D:"** n'est pas forcément celle de votre ordinateur. Tapez la lettre affectée au lecteur de CD de votre ordinateur (par exemple, E: ou F:).*

10

La boîte de dialogue **SetupInf** s'affiche.

Vous êtes maintenant prêt à installer le pilote.

* *Ne cliquez pas sur **[OK]** maintenant.*


SetupInf
Ready to install the driver.
1. Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
2. The "Found New Hardware Wizard" dialog box will appear, so select "Install from a list or specific location," and then click the [Next] button.
3. Select "Don't search . I will choose the driver to install," and then click the [Next] button.
4. Make sure that "EDIROL SD-20" is selected in the Models field, and click the [Next] button.
5. If the "Insert Disk" dialog box appears at this time, click the [OK] button.
6. The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
D:\Driver\USB_XP2K
into the "Copy files from" area, and perform the installation.
7. After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

11

Branchez le SD-20.

1. Placez l'**interrupteur informatique** du SD-20 sur **USB**.
2. Le **SD-20 étant éteint (hors tension)**, branchez-le à l'**adaptateur secteur**.
3. Branchez l'**adaptateur secteur** sur une prise secteur.
4. Utilisez le **câble USB** pour relier le **SD-20** à votre **ordinateur**.

12

Placez l'interrupteur d'alimentation du SD-20 sur la position ON.

Près de la barre des tâches, votre ordinateur indique "**Nouveau matériel détecté**". Veuillez patienter.

MEMO

Dans ce document, l'emplacement des dossiers et des fichiers est donné en termes de chemin, avec \ comme délimiteur. Par exemple, **USB_XP2K\SETUPINF.EXE** signifie le fichier **SETUPINF.EXE** se trouvant dans le dossier **USB_XP2K**.

MEMO

Si l'affichage indique "**The driver is already installed**" (Pilote déjà installé), vous pouvez connecter le SD-20 à l'ordinateur et vous en servir.

NOTE

Même si vous utiliserez ensuite le SD-20 avec l'alimentation BUS, utilisez l'alimentation secteur pour l'installation du pilote et sa configuration

MEMO

Cet appareil est équipé d'un circuit de protection. Après la mise sous tension, attendez quelques secondes avant d'utiliser l'appareil.

13 La boîte de dialogue **Assistant ajout de nouveau matériel** s'affiche.

Vérifiez que l'écran indique "**EDIROL SD-20**" sélectionnez "**Installer à partir d'une liste ou d'un emplacement spécifique (Avancé)**" puis cliquez sur **[Suivant]**.

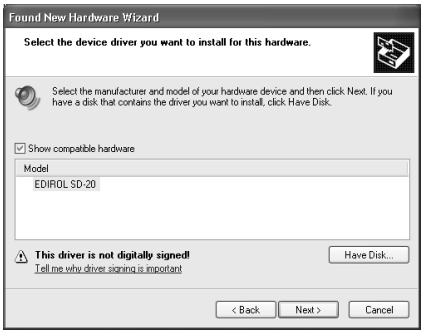
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
EDIROL SD-20
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

14 L'écran indiquera "**Veuillez choisir vos options de recherche et d'installation**".

Sélectionnez "**Ne pas rechercher. Je vais choisir le pilote à installer**" puis cliquez sur **[Suivant]**.

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
E:\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

15 Vérifiez que le champ "**Modèle**" indique "**EDIROL SD-20**" puis cliquez sur **[Suivant]**. L'installation du pilote commence.


Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
EDIROL SD-20
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

Si, à l'étape 4, l'option "**Que voulez-vous faire** ?" était définie sur "Ignorer", la boîte de dialogue "Signature numérique introuvable" s'affiche.

Si "Que voulez-vous faire ?" est définie sur "Avertir"

1. Cliquez sur **[Continuer]**.
2. Poursuivez l'installation.

Si "Que voulez-vous faire ?" est définie sur "Bloquer"

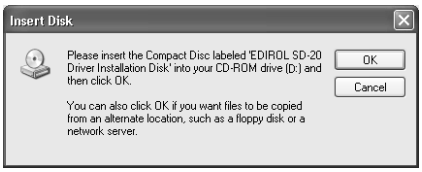
1. Cliquez sur **[OK]**.
2. Lorsque l'**"Assistant ajout de nouveau matériel"** s'affiche, cliquez sur **[Terminer]**.
3. Procédez à l'installation comme décrit à la section **"En cas de problème"** (voir **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235)).

Hardware Installation
The software you are installing for this hardware:
EDIROL SD-20
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

16

La boîte de dialogue **Insérez le disque** s'affiche.

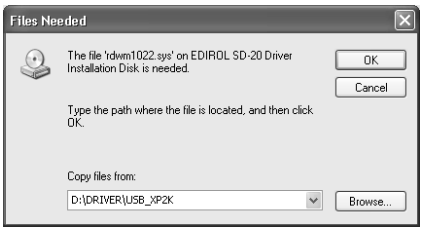
Cliquez sur **[OK]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (D:) and then click OK.
OK
Cancel
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.

17

La boîte de dialogue **Fichiers nécessaires** s'affiche.

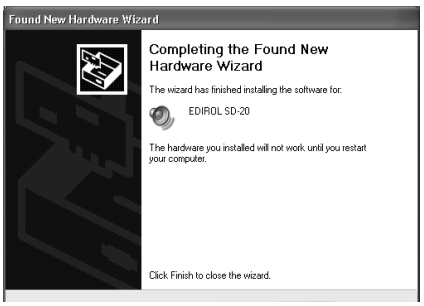
Dans la zone "**Copier les fichiers depuis**", tapez "**D:\DRIVER\USB_XP2K**", puis cliquez sur **[OK]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

18

La boîte de dialogue **Assistant ajout de nouveau matériel** s'affiche.

Vérifiez que l'écran indique "**EDIROL SD-20**", puis cliquez sur **[Terminer]**.
Attendez que "**Nouveau matériel détecté**" s'affiche près de la barre des tâches.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
EDIROL SD-20
The hardware you installed will not work until you restart your computer.
Click Finish to close the wizard.

19 Redémarrez Windows.

Une fois l'installation du pilote terminée, la boîte de dialogue **Modification des paramètres système** s'affiche. Cliquez sur **[Oui]**.

Si vous avez modifié "Que voulez-vous faire ?"

Si vous avez modifié "**Que voulez-vous faire ?**" à l'étape 5, restaurez le paramètre d'origine après le redémarrage de Windows.

1. Si vous utilisez Windows XP Professional, vous devez ouvrir une session avec un nom d'utilisateur disposant des droits d'administrateur.
2. Cliquez sur le menu **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Panneau de configuration**.
3. Dans "**Choisissez une catégorie**", cliquez sur "**Performances et maintenance**".
4. Dans "**ou choisissez une icône du Panneau de configuration**", cliquez sur l'icône **Système**. La boîte de dialogue "Propriétés système" s'affiche.
5. Cliquez sur l'onglet **Matériel**, puis cliquez sur**[Signature du pilote]**. La boîte de dialogue **Options de signature du pilote** s'affiche.
6. Restaurez le paramètre "**Que voulez-vous faire ?**" ("Avertir" ou "Bloquer"), puis cliquez sur **[OK]**.
7. Cliquez sur **[OK]**. La boîte de dialogue **Propriétés Système** se ferme.

Vous devez ensuite procéder à la configuration du pilote.
(-> **Configuration et contrôle** (p. 125)**)**

■ Windows 2000

1

Le SD-20 déconnecté, démarrez l'ordinateur.

Débranchez tous les câbles USB, à l'exception de ceux du clavier et de la souris (le cas échéant).

2

Ouvrez une session Windows en tant qu'**utilisateur doté de droits d'administration** (Administrateur, par exemple).

3

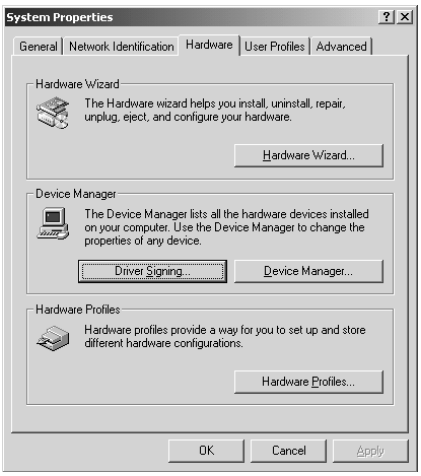
Ouvrez la boîte de dialogue **Propriétés Système**.

Cliquez sur le bouton **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Paramètres | Panneau de configuration**. Dans **Panneau de configuration**, cliquez deux fois sur l'icône **Système**.

4

Ouvrez la boîte de dialogue **Options de signature des pilotes**.

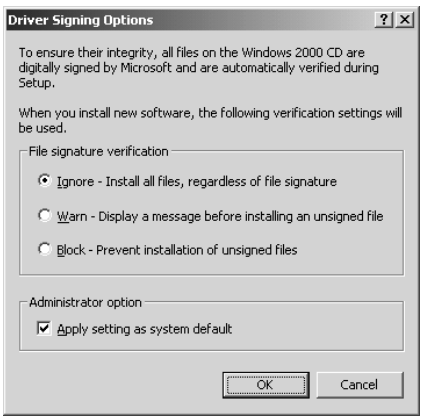
Cliquez sur l'onglet **Matériel**, puis cliquez sur**[Signature du pilote]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

5

Assurez-vous que l'option "**Vérification des signatures de fichiers**" est définie sur "**Ignorer**".

Si c'est le cas (**"Ignorer"**), cliquez sur **[OK].**
Si elle n'est pas définie sur **"Ignorer"**, notez le paramètre indiqué ("Avertir" ou "Bloquer"). Choisissez ensuite **"Ignorer"** et cliquez sur **[OK]**.


Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

MEMO

Si vous avez modifié "Vérification des signatures des fichiers" à l'étape 5, restaurez le paramètre original après le redémarrage de Windows. (->**Si vous avez modifié l'option "Vérification de la signature des fichiers"** (p. 112))

6 Fermez la boîte de dialogue **Propriétés Système**.

Cliquez sur **[OK]**.

7 Quittez tous les logiciels (applications) actifs.

Fermez également toutes les fenêtres éventuellement ouvertes. Si vous utilisez un anti-virus, quittez-le également.

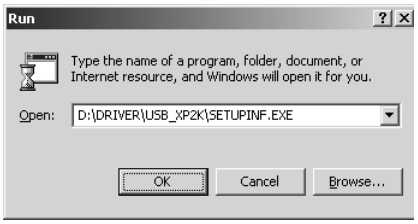
8 Munissez-vous du CD-ROM.

Introduisez-le dans le lecteur de CD de votre ordinateur.

9 Ouvrez la boîte de dialogue **Exécuter...**

Cliquez sur le bouton **Démarrer** de Windows. Dans le menu qui s'affiche, sélectionnez **Exécuter...**.

10 Dans la boîte de dialogue qui s'affiche, tapez ce qui suit dans le champ "**Ouvrir**", puis cliquez sur **[OK]**.



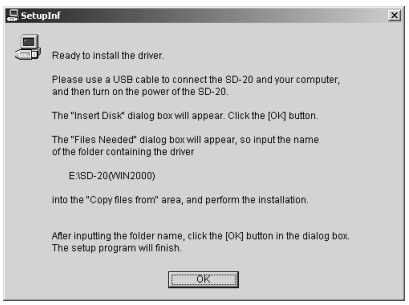
D:\DRIVER\USB_XP2K\SETUPINF.EXE

* *La lettre du lecteur **"D:"** n'est pas forcément celle de votre ordinateur. Tapez la lettre affectée au lecteur de CD de votre ordinateur (par exemple, E: ou F:).*

11 La boîte de dialogue **SETUPINF** s'affiche.

Vous êtes maintenant prêt à installer le pilote.

* *Ne cliquez pas sur **[OK]** maintenant.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
The "Insert Disk" dialog box will appear. Click the [OK] button.
The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN2000)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

12 Branchez le SD-20.

1. Placez l'**interrupteur informatique** du SD-20 sur **USB**.
2. Le **SD-20 étant éteint (hors tension)**, branchez-le à l'**adaptateur secteur**.
3. Branchez l'**adaptateur secteur** sur une prise secteur.
4. Utilisez le **câble USB** pour relier le **SD-20** à votre **ordinateur**.

MEMO

Dans ce document, l'emplacement des dossiers et des fichiers est donné en termes de chemin, avec \ comme délimiteur. Par exemple, **USB_XP2K\SETUPINF.EXE** signifie le fichier **SETUPINF.EXE** se trouvant dans le dossier **USB_XP2K**.

NOTE

Même si vous utiliserez ensuite le SD-20 avec l'alimentation BUS, utilisez l'alimentation secteur pour l'installation du pilote et sa configuration.

13
Placez l'**interrupteur d'alimentation** sur **ON**.

MEMO

Cet appareil est équipé d'un circuit de protection. Après la mise sous tension, attendez quelques secondes avant d'utiliser l'appareil.

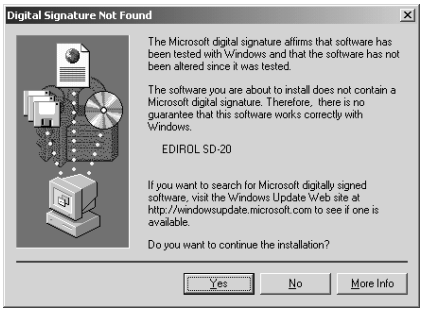
Si, à l'**étape 5**, l'option **"Vérification de la signature des pilotes"** n'a pas été définie sur **"Ignorer"**, une boîte de dialogue **"Signature numérique introuvable"** s'affiche.

Si "Vérification des signatures des fichiers" est défini sur "Avertir"

1. Cliquez sur **[Oui]**.
2. Poursuivez l'installation.

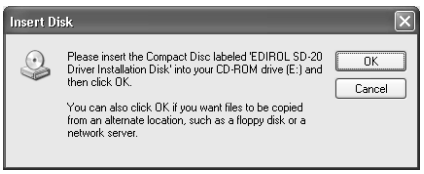
Si "Vérification des signatures des fichiers" est défini sur "Bloquer"

1. Cliquez sur **[OK]**.
2. Lorsque l'écran **"Assistant ajout de nouveau matériel"** s'affiche, cliquez sur **[Terminer]**.
3. Procédez à l'installation comme décrit à la section **" En cas de problème "** (voir **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235)).


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
EDIROL SD-20
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

14
La boîte de dialogue **Insérez le disque** s'affiche.

Cliquez sur **[OK]**.

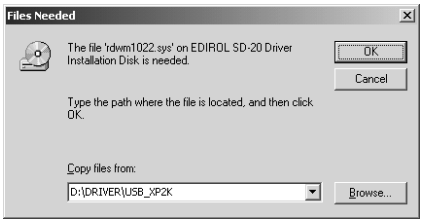

Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (E:) and then click OK.
OK
Cancel
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.

NOTE

Si la boîte de dialogue "Insérez le disque" ne s'affiche pas, lisez la section **The "Insert Disk" dialog box does not appear** (p. 235)

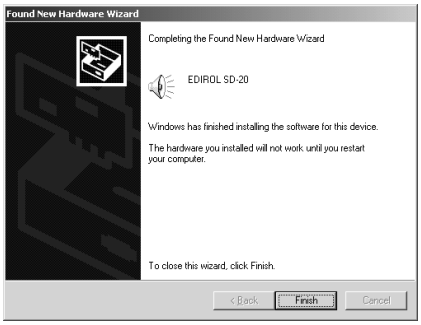
15
La boîte de dialogue **Fichiers nécessaires** s'affiche.

Dans la zone "**Copier les "fichiers depuis**", tapez "**D:\DRIVER\USB_XP2K**", puis cliquez sur **[OK]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

16 La boîte de dialogue **“Assistant Nouveau matériel détecté”** peut s'afficher.

Vérifiez que “**EDIROL SD-20**” est affiché, puis cliquez sur **[Terminer]**.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
EDIROL SD-20
Windows has finished installing the software for this device.
The hardware you installed will not work until you restart your computer.
To close this wizard, click Finish.
< Back
Finish
Cancel

17 Redémarrez Windows.

La boîte de dialogue **Modification des paramètres système** peut s'afficher. Cliquez sur **[Oui]**. Windows redémarre automatiquement.

Si vous avez modifié l’option “Vérification de la signature des fichiers”

Si vous avez modifié “Vérification des signatures des fichiers” à l’étape 5, restaurez le paramètre original après le redémarrage de Windows.

1. Une fois Windows redémarré, ouvrez une session Windows avec des **privilèges d’administration**, (par exemple, en ouvrant une session Administrateur).
2. Sur le bureau Windows, cliquez avec le bouton droit de la souris sur l’icône **Poste de travail** puis, dans le menu qui s’affiche, sélectionnez **Propriétés**. La boîte de dialogue **Propriétés Système** s'affiche.
3. Cliquez sur l’onglet **Profils matériels**, puis cliquez sur **[Signature des pilotes]**. La boîte de dialogue **Options de signature du pilote** s'affiche.
4. Restaurez l’option **“Vérification de la signature des fichiers”** à sa valeur d’origine (**“Avertir”** ou **“Bloquer”**), puis cliquez sur **[OK]**.
5. Cliquez sur **[OK]**. La boîte de dialogue **Propriétés Système** se ferme.

Vous devez ensuite procéder à la configuration du pilote.
(-> **Configuration et contrôle** (p. 125)

■ Windows Me/98

1

Le SD-20 déconnecté, démarrez l'ordinateur.

Débranchez tous les câbles USB, à l'exception de ceux du clavier et de la souris (le cas échéant).

2

Quittez tous les logiciels (applications) actifs.

Fermez également toutes les fenêtres éventuellement ouvertes. Si vous utilisez un anti-virus, quittez-le également.

3

Munissez-vous du CD-ROM.

Introduisez-le dans le lecteur de CD de votre ordinateur.

4

Ouvrez la boîte de dialogue **Exécuter...**

Cliquez sur le bouton **Démarrer** de Windows.
Dans le menu qui s'affiche, sélectionnez **Exécuter...**.

5

Dans la boîte de dialogue qui s'affiche, tapez ce qui suit dans le champ "**Ouvrir**", puis cliquez sur **[OK]**.

D:\DRIVER\USB_ME98\SETUPINF.EXE

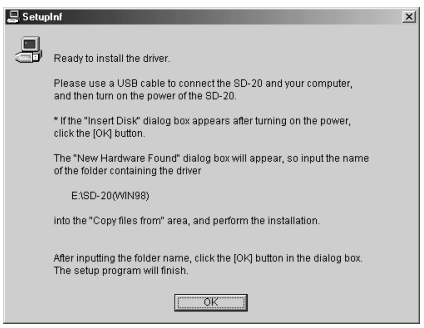
* *La lettre du lecteur **"D:"** n'est pas forcément celle de votre ordinateur. Tapez la lettre affectée au lecteur de CD de votre ordinateur (par exemple, E: ou F:).*

6

La boîte de dialogue **SETUPINF** s'affiche.

Vous êtes maintenant prêt à installer le pilote.

* *Ne cliquez pas sur **[OK]** maintenant.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
* If the "Insert Disk" dialog box appears after turning on the power, click the [OK] button.
The "New Hardware Found" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN98)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

MEMO

Dans ce document, l'emplacement des dossiers et des fichiers est donné en termes de chemin, avec \ comme délimiteur. Par exemple, **USB_ME98\SETUPINF.EXE** signifie le fichier **SETUPINF.EXE** se trouvant dans le dossier **USB_ME98**.

7

Connectez le SD-20.

1. Placez l'**interrupteur informatique** du SD-20 sur **USB**.
2. Le **SD-20 étant éteint**, branchez-le à l'**adaptateur secteur**.
3. Branchez l'**adaptateur secteur** sur une prise secteur.
4. Utilisez le **câble USB** pour relier le **SD-20** à votre **ordinateur**.

8

Placez l'interrupteur d'alimentation du SD-20 sur la position **ON**.

9

Si vous utilisez Windows 98, une boîte de dialogue **Insérez le disque** s'affiche.

Cliquez sur **[OK]**.

10

La boîte de dialogue **Nouveau matériel détecté** s'affiche.

Dans la zone "**Copier les fichiers depuis**", tapez "**D:\DRIVER\USB_ME98**", puis cliquez sur **[OK]**.

New Hardware Found
The file 'rddp0022.dat' was not found.
OK
Cancel
Windows needs the disk labeled 'EDIROL SD-20 Driver Installation disk' to continue. This disk may be provided by your computer or device manufacturer.
Skip File
Details...
Copy files from:
D:\DRIVER\USB_ME98
Browse...

11

Une fois le pilote installé, la boîte de dialogue **Nouveau matériel détecté** se ferme.

Dans la boîte de dialogue **SETUPINF**, cliquez sur **[OK]**. La boîte de dialogue **SETUPINF** se ferme.

Vous devez ensuite procéder à la configuration du pilote.
(-> **Configuration et contrôle** (p. 125)

NOTE

Même si vous utiliserez ensuite le SD-20 avec l'alimentation BUS, utilisez l'alimentation secteur pour l'installation du pilote et sa configuration.

MEMO

Cet appareil est équipé d'un circuit de protection. Après la mise sous tension, attendez quelques secondes avant d'utiliser l'appareil.

NOTE

Si vous utilisez Windows 98 et que la boîte de dialogue **Insérez le disque** ne s'affiche pas, veuillez lire la section **The "Insert Disk" dialog box does not appear** (p. 235).

NOTE

Si la boîte de dialogue **Nouveau matériel détecté** ne s'affiche pas, réinstallez le pilote à l'aide de la procédure décrite à la section **The "Insert Disk" dialog box does not appear** (p. 235) .

Connexion série

Vous aurez besoin des éléments suivants pour l'installation et les connexions. Veuillez les tenir prêts.

- SD-20
- Adaptateur secteur
- Câble série
- CD-ROM

La procédure d'installation dépend de votre système d'exploitation. Veuillez lire la section qui vous concerne.

- Windows XP ..... (p. 115)
- Windows 2000 ..... (p. 119)
- Windows Me / 98 ..... (p. 123)

■ Windows XP

1 Vérifiez que le SD-20, l'ordinateur et tous les périphériques externes sont éteints (hors tension).

2 Placez l'**interrupteur informatique** du SD-20 sur **PC**.

3 Utilisez le câble série pour relier le connecteur série de votre ordinateur au SD-20.

4 Le **SD-20 étant éteint**, branchez-le à l'**adaptateur secteur**.

5 Branchez l'**adaptateur secteur** sur une prise secteur.

6 **Allumez** le SD-20 et votre ordinateur, Windows démarre.

7 Ouvrez la boîte de dialogue **Propriétés Système**.

1. Cliquez sur le menu **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Panneau de configuration**.
2. Dans "**Choisissez une catégorie**", cliquez sur "**Performances et maintenance**".
3. Dans "**ou choisissez une icône du Panneau de configuration**", cliquez sur l'icône **Système**.

NOTE

Si vous utilisez Windows XP Professional, vous devez ouvrir une session avec un nom d'utilisateur disposant des droits d'administrateur. Pour plus de détails sur les comptes utilisateur, veuillez prendre contact avec l'administrateur système de votre ordinateur.

MEMO

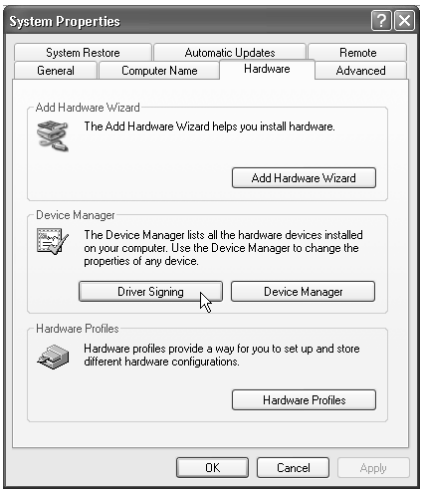
Pour plus de détails concernant les branchements, reportez-vous à la section **Basic connections** (p. 13).

MEMO

Selon la configuration de votre ordinateur, l'icône **Système** s'affiche peut-être dans le **Panneau de configuration** (Vue classique). Dans ce cas, cliquez deux fois sur l'icône Système.

8 Ouvrez la boîte de dialogue **Options de signature du pilote**.

Cliquez sur l'onglet **Matériel**, puis cliquez sur **[Signature du pilote]**.



9 Assurez-vous que l'option "**Que voulez-vous faire ?**" est définie sur "**Ignorer**."

Si c'est le cas (**"Ignorer"**), cliquez sur **[OK].**
Si elle n'est pas définie sur **"Ignorer"**, notez le paramètre indiqué ("Avertir" ou "Bloquer"). Choisissez ensuite **"Ignorer"** et cliquez sur **[OK]**.

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

10 Fermez la boîte de dialogue Propriétés Système.

Cliquez sur **[OK]**.

11 Quittez tous les logiciels (applications) actifs.

Fermez également toutes les fenêtres éventuellement ouvertes. Si vous utilisez un anti-virus, quittez-le également.

12 Munissez-vous du CD-ROM.

Introduisez-le dans le lecteur de CD de votre ordinateur.

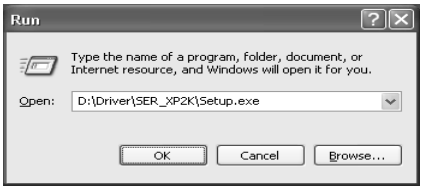
13 Ouvrez la boîte de dialogue **Exécuter...**

Cliquez sur le bouton **Démarrer** de Windows. Dans le menu qui s'affiche, sélectionnez **Exécuter...**.

MEMO

Si vous avez modifié "**Que voulez-vous faire ?**" à l'étape 8, vous devez rétablir le paramètre d'origine après installation du pilote.
(->**Si vous avez modifié "Que voulez-vous faire ?"** (p. 108))

14 Dans la boîte de dialogue qui s'affiche, tapez ce qui suit dans le champ "**Ouvrir**", puis cliquez sur **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *La lettre du lecteur **"D:"** n'est pas forcément celle de votre ordinateur. Tapez la lettre affectée au lecteur de CD de votre ordinateur (par exemple, E: ou F:).*

15 La boîte de dialogue **Welcome** s'affiche.

Cliquez sur **[Suivant]**.

16 Une fenêtre semblable à la suivante s'affiche.

Cliquez sur **[Suivant]**.

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

MEMO

Dans ce document, l'emplacement des dossiers et des fichiers est donné en termes de chemin, avec \ comme délimiteur. Par exemple, **SER_XP2K\SETUP.EXE** signifie le fichier **SETUP.EXE** se trouvant dans le dossier **SER_XP2K**.

Si, à l'**étape 9**, l'option "**Que voulez-vous faire** ?" était définie sur "**Ignorer**", la boîte de dialogue "**Installation du matériel**" s'affiche.

Si "Que voulez-vous faire ?" est définie sur "Avertir"

1. Cliquez sur **[Continuer]**.
2. Poursuivez l'installation.

Si "Que voulez-vous faire ?" est définie sur "Bloc"

1. Cliquez sur **[OK]**.
2. Lorsque l'**"Assistant ajout de nouveau matériel"** s'affiche, cliquez sur **[Terminer]**.
3. Procédez à l'installation comme décrit à la section **"En cas de problème"** (voir **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235)).

Hardware Installation
The software you are installing for this hardware:
Roland Serial MIDI Driver
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

17

La boîte de dialogue **Roland Serial MIDI Driver Settings** (Paramètres du pilote MIDI série Roland) s'affiche.

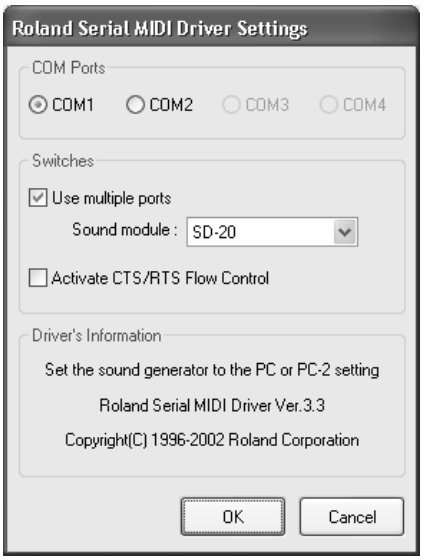
Réglez les paramètres suivants. Cliquez sur **[OK]**.

COM Ports

Sélectionnez le port série (COM port) auquel le port série du SD-20 est relié.

Switches

Activez "**Use multiple ports**". Cliquez sur le symbole ▼ à droite du champ **[Sound module]**, puis sélectionnez **SD-20**.



* *N'activez pas "**Activate CTS/RTS Flow Control**".*

18

Une fois l'installation du pilote terminée, la boîte de dialogue **Restart your computer** (Redémarrer l'ordinateur) s'affiche. Redémarrez votre ordinateur.

Si vous avez modifié "Que voulez-vous faire ?"

Si vous avez modifié "**Que voulez-vous faire ?**" à l'étape 5, restaurez le paramètre d'origine après le redémarrage de Windows.

1. Si vous utilisez Windows XP Professional, vous devez ouvrir une session avec un nom d'utilisateur disposant des droits d'administrateur.
2. Cliquez sur le menu **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Panneau de configuration**.
3. Dans "**Choisissez une catégorie**" cliquez sur "**Performances et maintenance**".
4. Dans "**ou choisissez une icône du Panneau de configuration**", cliquez sur l'icône **Système**. La boîte de dialogue "Propriétés système" s'affiche.
5. Cliquez sur l'onglet **Matériel**, puis cliquez sur**[Signature du pilote]**. La boîte de dialogue **Options de signature du pilote** s'affiche.
6. Restaurez le paramètre "**Que voulez-vous faire ?**" ("Avertir" ou "Bloquer"), puis cliquez sur **[OK]**.
7. Cliquez sur **[OK]**. La boîte de dialogue **Propriétés Système** se ferme.

Vous devez ensuite procéder à la configuration du pilote.
(-> **Configuration et contrôle** (p. 125)**)**

■ Windows 2000

1 Vérifiez que le SD-20, l'ordinateur et tous les périphériques externes sont éteints.

2 Placez l'**interrupteur informatique** du SD-20 sur **PC**.

3 Utilisez le câble série pour relier le connecteur série de votre ordinateur au SD-20.

4 Le **SD-20 étant éteint**, branchez-le à l'**adaptateur secteur**.

5 Branchez l'**adaptateur secteur** sur une prise secteur.

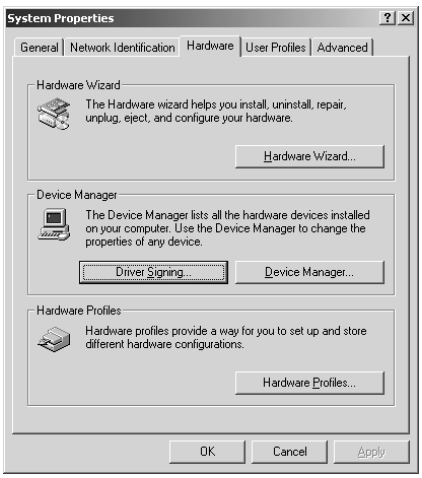
6 Allumez le SD-20 et votre ordinateur, Windows démarre.

7 Ouvrez la boîte de dialogue **Propriétés Système**.

1. Cliquez sur le menu **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Paramètres | Panneau de configuration**.
2. Dans **Panneau de configuration**, cliquez deux fois sur l'icône **Système**.

8 Ouvrez la boîte de dialogue **Options de signature du pilote**.

Cliquez sur l'onglet **Matériel**, puis cliquez sur**[Signature du pilote]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

NOTE

Ouvrez une session Windows avec un nom d'utilisateur disposant des droits d'administration (ex. : Administrateur). Pour plus de détails sur les comptes utilisateur, veuillez prendre contact avec l'administrateur système de votre ordinateur.

MEMO

Pour plus de détails concernant les branchements, reportez-vous à la section **Basic connections** (p. 13).

9 Assurez-vous que l'option "**Vérification des signatures de fichiers**" est définie sur "**Ignorer**".

Si c'est le cas (**"Ignorer"**), cliquez sur **[OK].**
Si elle n'est pas définie sur **"Ignorer"**, notez le paramètre indiqué ("Avertir" ou "Bloquer"). Choisissez ensuite **"Ignorer"** et cliquez sur **[OK]**.

Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

10 Fermez la boîte de dialogue **Propriétés Système**.

Cliquez sur **[OK]**.

11 Quittez tous les logiciels (applications) actifs.

Fermez également toutes les fenêtres éventuellement ouvertes. Si vous utilisez un anti-virus, quittez-le également.

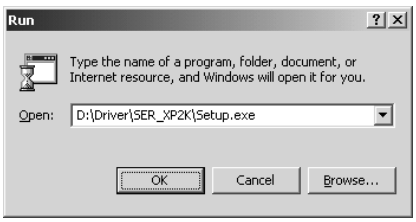
12 Munissez-vous du CD-ROM.

Introduisez-le dans le lecteur de CD de votre ordinateur.

13 Ouvrez la boîte de dialogue **Exécuter...**

Cliquez sur le bouton **Démarrer** de Windows.
Dans le menu qui s'affiche, sélectionnez **Exécuter...**.

14 Dans la boîte de dialogue qui s'affiche, tapez ce qui suit dans le champ "**Ouvrir**", puis cliquez sur **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *La lettre du lecteur **"D:"** n'est pas forcément celle de votre ordinateur. Tapez la lettre affectée au lecteur de CD de votre ordinateur (par exemple, E: ou F:).*

MEMO

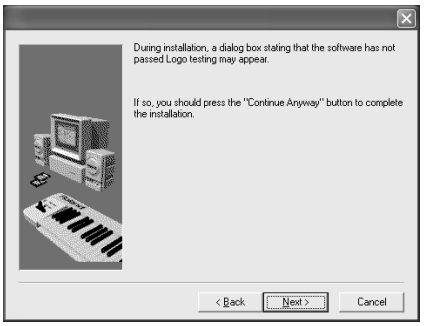
Dans ce document, l'emplacement des dossiers et des fichiers est donné en termes de chemin, avec **** comme délimiteur. Par exemple, **SER_XP2K\SETUP.EXE** signifie le fichier **SETUP.EXE** se trouvant dans le dossier **SER_XP2K**.

15 La boîte de dialogue **Bienvenue** s'affiche.

Cliquez sur **[Suivant]**.

16 Une fenêtre semblable à la suivante s'affiche.

Cliquez sur **[Suivant]**.

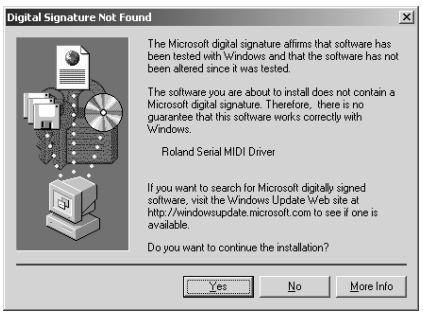

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

Si, à l'**étape ?**, l'option **"Vérification de la signature des pilotes"** n'a pas été définie sur **"Ignorer"**, une boîte de dialogue **"Signature numérique introuvable"** s'affiche.

Si "Vérification des signatures des fichiers" est définie sur "Avertir"

1. Cliquez sur **[Oui]**.
2. Poursuivez l'installation.

Si "Vérification des signatures des fichiers" est définie sur "Bloquer"


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Roland Serial MIDI Driver
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

1. Cliquez sur **[OK]**.
2. Lorsque l'écran "Assistant ajout de nouveau matériel" s'affiche, cliquez sur **[Terminer]**.
3. Procédez à l'installation comme décrit à la section **"En cas de problème"** (voir **Device Manager shows "?", "!", or "USB Composite Device"** (p. 235)).

17

La boîte de dialogue **Roland Serial MIDI Driver Settings** (Paramètres du pilote MIDI série Roland) s'affiche.

Réglez les paramètres suivants. Cliquez sur **[OK]**.

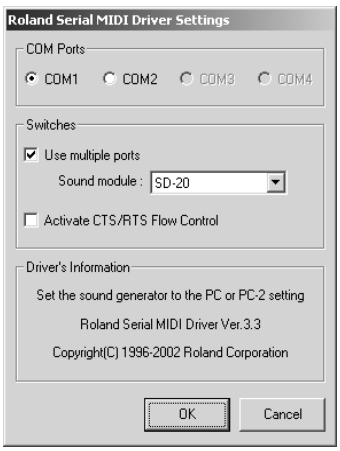
COM Ports

Sélectionnez le port série (COM port) auquel le port série du SD-20 est relié.

Switches

Activez "**Use multiple ports**". Cliquez sur le symbole ▼ à droite du champ **[Sound module]**, puis sélectionnez **SD-20**.

* *N'activez pas "**Activate CTS/RTS Flow Control**"*



18

Une fois l'installation du pilote terminée, la boîte de dialogue **Restart your computer** (Redémarrer l'ordinateur) s'affiche. Redémarrez votre ordinateur.

Si vous avez modifié l'option "Vérification de la signature des fichiers"

Si vous avez modifié "Vérification des signatures des fichiers" à l'étape 5, restaurez le paramètre original après le redémarrage de Windows.

1. Une fois Windows redémarré, ouvrez une session Windows avec des **privilèges d'administration**, (par exemple, en ouvrant une session Administrateur).
2. Sur le bureau Windows, cliquez avec le bouton droit de la souris sur l'icône **Poste de travail** puis, dans le menu qui s'affiche, sélectionnez **Propriétés**. La boîte de dialogue **Propriétés Système** s'affiche.
3. Cliquez sur l'onglet **Matériel**, puis cliquez sur **[Signature du pilote]**. La boîte de dialogue **Options de signature du pilote** s'affiche.
4. Restaurez l'option **"Vérification de la signature des fichiers"** à sa valeur d'origine (**"Avertir"** ou **"Bloquer"**), puis cliquez sur **[OK]**.
5. Cliquez sur **[OK]**. La boîte de dialogue **Propriétés Système** se ferme.

Vous devez ensuite procéder à la configuration du pilote.
(->**Configuration et contrôle** (p. 125)

■ Windows Me/98

1 Vérifiez que le SD-20, l'ordinateur et tous les périphériques externes sont éteints.

2 Placez l'**interrupteur informatique** du SD-20 sur **PC**.

3 Utilisez le câble série pour relier le connecteur série de votre ordinateur au SD-20.

4 Le **SD-20 étant éteint (hors tension)**, branchez-le à l'**adaptateur secteur**.

5 Branchez l'**adaptateur secteur** sur une prise secteur.

6 Allumez le SD-20 et votre ordinateur, Windows démarre.

7 Quittez tous les logiciels (applications) actifs.

Fermez également toutes les fenêtres éventuellement ouvertes. Si vous utilisez un anti-virus, quittez-le également.

8 Munissez-vous du CD-ROM.

Introduisez-le dans le lecteur de CD de votre ordinateur.

9 Ouvrez la boîte de dialogue **Exécuter...**

Cliquez sur le bouton **Démarrer** de Windows.
Dans le menu qui s'affiche, sélectionnez **Exécuter...**.

10 Dans la boîte de dialogue qui s'affiche, tapez ce qui suit dans le champ "**Ouvrir**", puis cliquez sur **[OK]**.

D:\DRIVER\SER_ME98\DISK1\SETUP.EXE

* *La lettre du lecteur **"D:"** n'est pas forcément celle de votre ordinateur. Tapez la lettre affectée au lecteur de CD de votre ordinateur (par exemple, E: ou F:).*

11 La boîte de dialogue **Bienvenue** s'affiche.

Cliquez sur **[Suivant]**.

MEMO

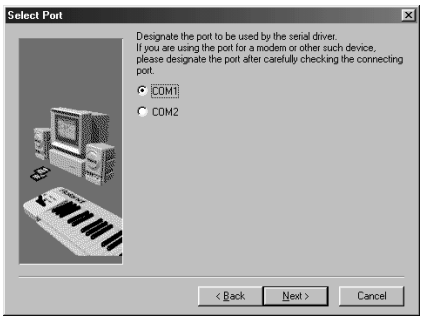
Pour plus de détails concernant les branchements, reportez-vous à la section **Basic connections** (p. 13).

MEMO

Dans ce document, l'emplacement des dossiers et des fichiers est donné en termes de chemin, avec **** comme délimiteur. Par exemple, **SER_ME98\SETUP.EXE** signifie le fichier **SETUP.EXE** se trouvant dans le dossier **SER_ME98**.

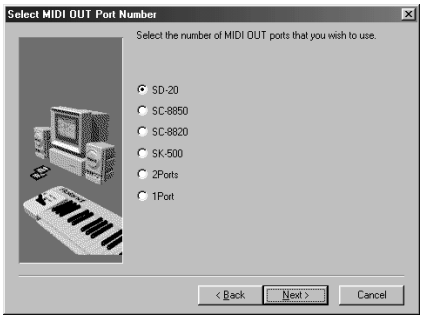
12 La boîte de dialogue **Select Port** s'affiche.

Sélectionnez le port série auquel est connecté le SD-20, puis cliquez sur **[Suivant]**.
Le nombre de ports COM disponibles dépend de votre ordinateur.


Select Port
Designate the port to be used by the serial driver.
If you are using the port for a modem or other such device, please designate the port after carefully checking the connecting port.
COM1
COM2
< Back
Next >
Cancel

13 La boîte de dialogue **Select MIDI OUT Port Number** s'affiche.

Sélectionnez SD-20, puis cliquez sur **[Suivant]**.



14 La boîte de dialogue **Installation information** s'affiche.

Vérifiez le contenu et cliquez sur **[Suivant]**.

15 La boîte de dialogue **Computer Switch Setting** s'affiche.

Vérifiez que l'interrupteur informatique à l'arrière du SD-20 est placé sur **[PC]**, puis cliquez sur **[Suivant]**.
S'il n'est pas placé sur **[PC]**, recommencez la procédure à partir de l'**étape 1**.

16 Une fois l'installation du pilote terminée, la boîte de dialogue **Restart your computer** (Redémarrer l'ordinateur) s'affiche. Redémarrez votre ordinateur.

Vous devez ensuite procéder à la configuration du pilote.
(-> **Configuration et contrôle** (p. 125)**)**

Configuration et contrôle

■ Windows XP/2000/Me :

1

Ouvrez le **Panneau de configuration**.

Cliquez sur le bouton **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Paramètres | Panneau de configuration**.

Windows XP

Cliquez sur le bouton **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Panneau de configuration**.

2

Ouvrez la boîte de dialogue **Propriétés Son et multimédia** (avec Windows XP, **Propriétés sons et périphériques multimédia**).

Windows 2000/Me

Dans le **Panneau de configuration**, cliquez deux fois sur l'icône **Sons et Multimédia** pour ouvrir la boîte de dialogue **Propriétés Sons et multimédia**.

Windows XP

Dans "**Choisissez une catégorie**", cliquez sur "**Son, voix et périphériques audio**". Dans "**ou choisissez une icône du Panneau de configuration**", cliquez sur l'icône **Sons et périphériques audio**.

3

Cliquez sur l'onglet **Audio**.

4

Pour **Lecture MIDI**, cliquez sur le ▼ situé à droite de **[Périphérique par défaut]** (avec Windows XP, **[Périphérique par défaut]**), puis sélectionnez ce qui suit dans la liste qui s'affiche.

Pour une connexion USB	EDIROL SD-20 PART A
Pour une connexion série	Roland Serial MIDI Out A

5

Cliquez sur **[OK]** pour confirmer.

Passez à la page suivante.
Windows XP ..... (p. 127)
Windows 2000 / Me ..... (p. 128)

MEMO

Selon la configuration de votre ordinateur, l'icône **Sons et périphériques audio** s'affiche peut-être dans le **Panneau de configuration** (Vue classique). Dans ce cas, cliquez deux fois sur l'icône **Sons et périphériques audio**.

■ Windows 98

1

Ouvrez le **Panneau de configuration**.

Cliquez sur le bouton **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Paramètres | Panneau de configuration**.

2

Ouvrez la boîte de dialogue **Propriétés de Multimédia**.

Dans le **Panneau de configuration**, cliquez deux fois sur l'icône **Multimédia** pour ouvrir la boîte de dialogue **Propriétés de multimédia**.

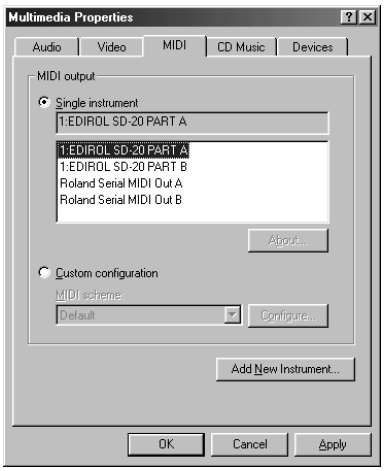
3

Cliquez sur l'onglet **MIDI**.

4

Spécifiez la "**Sortie MIDI**".

Sélectionnez **[Instrument unique]**, puis choisissez-en dans la liste qui s'affiche.



Pour une connexion USB	EDIROL SD-20 PART A
Pour une connexion série	Roland Serial MIDI Out A

5

Cliquez sur **[OK]** pour confirmer.

Passez à la page suivante.
(-> **Vérification de la sortie son** (p. 128)**)**

Activation des services en tâche de fond

Avec Windows XP, appliquez ces paramètres pour un meilleur traitement MIDI. Ces paramètres ne sont pas disponibles avec Windows 2000 / Me / 98.

1 Cliquez sur le bouton **Démarrer** de Windows, puis dans le menu qui s'affiche, choisissez **Panneau de configuration**.

2 Dans "**Choisissez une catégorie**" cliquez sur "**Performances et maintenance**".

3 Dans "**ou choisissez une icône du Panneau de configuration**", cliquez sur l'icône **Système**.

4 Cliquez sur l'onglet **Avancé**.

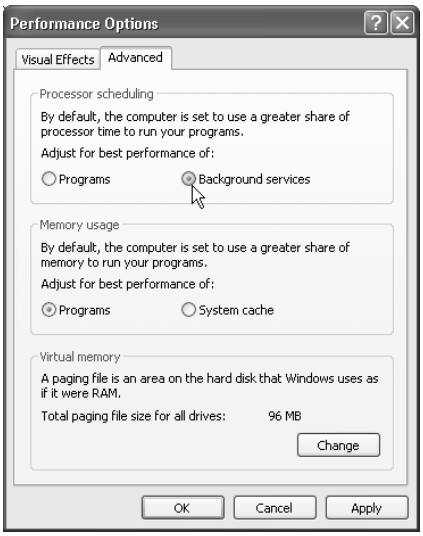
5 A droite du champ Performances, cliquez sur **[Paramètres]**. La boîte de dialogue Options des performances s'affiche.

6 Cliquez sur l'onglet **Avancé**.

7 Dans le champ **Planification du processeur**, sélectionnez "**Ressources système**", puis cliquez sur **[OK]**.

8 Dans la boîte de dialogue Propriétés Système, cliquez sur **[OK]**.

La boîte de dialogue **Propriétés Système** se ferme.


Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives: 96 MB
Change
OK
Cancel
Apply

Passez à la page suivante.
(-> **Vérification de la sortie son** (p. 128)

Vérification de la sortie son

Pour vérifier que les connexions, l'installation du pilote et la configuration ont été correctement effectuées, lisez l'exemple de données fourni.

■ Lecture de l'exemple de données

Vous allez ici utiliser les fonctionnalités Windows standard pour lire l'exemple de données. L'exemple de données se trouve sur le CD-ROM.

1

Munissez-vous du CD-ROM.

Introduisez-le dans le lecteur de CD de votre ordinateur.

2

Depuis le dossier **DemoSong** sur le CD-ROM, faites glisser le fichier **Demo01** (.MID) sur votre bureau pour le copier.

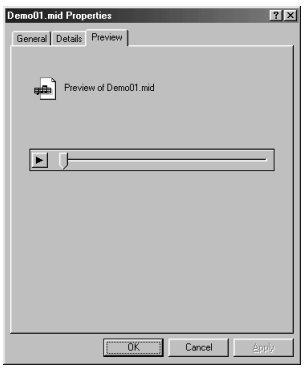
3

Cliquez avec le bouton droit de la souris sur le fichier copié **Demo01**(.MID), puis sélectionnez **Propriétés** (**Lire** avec Windows XP / 2000 / Me).

4

Lecture de l'exemple de données

Cliquez sur l'onglet **[Aperçu]**, puis cliquez sur le bouton. ▶
La musique démarre.



L'exemple de données a-t-il été lu ?

Si c'est le cas, cela signifie que l'ordinateur et le SD-20 sont correctement connectés et que les pilotes ont été bien installés.

MEMO

L'utilisation des données musicales fournies avec ce produit à des fins autres que personnelles et privées sans l'autorisation du propriétaire des droits d'auteur est interdite. De plus, ces données ne doivent ni être copiées, ni être utilisées pour un produit dérivé protégé par copyright, sans l'autorisation du propriétaire des droits d'auteur.

MEMO

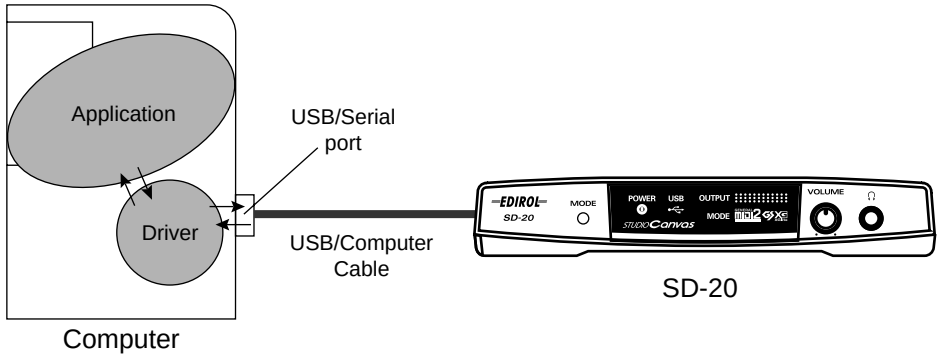
Ce que vous voyez à l'écran peut être différent de ce qui est présenté ici, selon votre environnement informatique (notamment, le système d'exploitation).

MEMO

Si ce n'est pas le cas, reportez-vous à la section **Troubleshooting** (p. 232) pour en déterminer la raison. Cette section explique comment résoudre certains problèmes, comme l'absence de son ou l'échec en lecture.

Installation des pilotes et connexions (Macintosh)

Qu'est-ce qu'un pilote ?



Un “pilote” est un logiciel qui sert à transférer les données entre le SD-20 et le logiciel tournant sur votre ordinateur, lorsque votre ordinateur et le SD-20 sont reliés par un câble USB. Le pilote transmet les données de l'application à SD-20 et vice-versa.

Le SD-20 peut fonctionner avec l’“**alimentation BUS**” fournie par le câble USB. Dans ce cas, l’adaptateur secteur fourni n’est pas nécessaire. Cependant, si vous utilisez un répartiteur USB, ou si la connexion USB ne fournit pas une alimentation suffisante, le SD-20 peut connaître des problèmes d’alimentation. Dans ce cas, utilisez l’adaptateur secteur pour alimenter le SD-20.
Même en utilisant le SD-20 avec l’alimentation USB, branchez l’adaptateur secteur pour installer le pilote.

Quel est le type de connexion ?

Vous pouvez utiliser soit un câble USB, soit un câble série pour réaliser la connexion. Selon le type de connexion que vous utilisez, installez le pilote correspondant et configurez-le de manière adaptée.

Connexion USB.....(p. 130)

Connexion série.....(p. 138)

Connexion USB

Vous aurez besoin des éléments suivants pour l'installation et les connexions. Veuillez les tenir prêts.

- SD-20
- Adaptateur secteur
- Câble USB
- CD-ROM

1 Eteignez le Macintosh, ainsi que tous les périphériques qui y sont connectés.

2 Placez l'**interrupteur informatique** du SD-20 sur **USB**.

3 Le **SD-20 étant éteint**, branchez-le à l'**adaptateur secteur**.

4 Branchez l'**adaptateur secteur** sur une prise secteur.

5 Allumez les périphériques connectés à votre Macintosh, sauf le SD-20. Allumez ensuite le Macintosh.

* *N'allumez pas le SD-20 maintenant*

Si le SD-20 est allumé, un message similaire à celui présenté ici s'affiche à la mise sous tension du Macintosh. Suivez une des procédures décrites ci-après, selon le message qui s'affiche.

Si l'écran affiche :

"Driver required for USB device 'unknown device' is not available. Search for driver on the Internet?"

-> Cliquez sur **[Annuler]**.

Si l'écran affiche :

"Software required for using device 'unknown device' cannot be found. Please refer to the manual included with the device, and install the necessary software" (Reportez-vous au manuel livré avec le périphérique et installez les logiciels nécessaires).

->Cliquez sur **[OK]**.

Utilisation d'OMS ou de FreeMIDI comme pilote MIDI.

- Si vous utilisez OMS ..... (p. 131)
- Si vous utilisez FreeMIDI ..... (p. 135)

* ***OMS*** *ou* ***FreeMIDI*** *doit être installé sur votre Macintosh, selon le logiciel séquenceur utilisé.*

■ Installation du pilote SD-20 (OMS)

Procédez comme suit pour installer le pilote SD-20.
Le **pilote OMS SD-20** est un module supplémentaire fourni pour pouvoir faire fonctionner le SD-20 avec OMS. Pour pouvoir l'utiliser, **OMS doit déjà être installé sur le disque de démarrage**.

Pour plus d'information sur OMS, veuillez lire le document "**OMS_2.3_Mac.pdf**" (manuel au format Acrobat) situé dans le dossier "**OMS 2.3.8**" du dossier OMS sur le CD-ROM.

* *Débranchez le SD-20 du Macintosh avant d'effectuer l'installation.*

1

Quittez tous les logiciels (applications) actifs.

Si vous utilisez un anti-virus, quittez-le également.

2

Munissez-vous du CD-ROM.

Insérez le CD-ROM dans le lecteur de CD-ROM.

3

Cliquez deux fois sur l'icône **SD-20 USB Installer** (dans le dossier **Driver - OMS Driver** du CD-ROM) pour lancer l'installeur.

4

Vérifiez l'emplacement de l'installation et cliquez sur **[Install]**.

5

Si un message du type suivant s'affiche, cliquez sur **[Continuer]**.

Les autres applications actives se ferment et l'installation continue.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6

Une boîte de dialogue s'affiche : "Installation completed".

Cliquez sur **[Redémarrer]** pour redémarrer le Macintosh.

7

Utilisez le **câble USB** pour relier le **SD-20** à votre **ordinateur**.

8

Placez l'interrupteur d'alimentation du SD-20 sur la position ON.

NOTE

Le pilote OMS pour ce produit nécessite **OMS 2.3.5** ou spérieur.

MEMO

OMS se trouve dans le dossier OMS2.3.8 du dossier OMS sur le CD-ROM.

MEMO

Vous aurez besoin d'Adobe Acrobat Reader pour afficher le document OMS_2.3_Mac.pdf. La dernière version d'Adobe Acrobat Reader peut être téléchargée depuis le site web d'Adobe http://www.adobe.com (cette URL peut être modifiée sans préavis.)

MEMO

Cet appareil est équipé d'un circuit de protection. Après la mise sous tension, attendez quelques secondes avant d'utiliser l'appareil.

Paramètres OMS

1

Depuis le CD-ROM, faites glisser le dossier **Driver-OMS Driver-OMS Settings** vers le disque dur du Macintosh pour le copier.

2

Dans le dossier **Opcode-OMS Application** où vous avez installé OMS, cliquez deux fois sur **OMS Setup** pour le lancer.

3

Si une boîte de dialogue similaire à celle présentée ici s'affiche, cliquez sur **[Turn It Off]**. Une boîte de confirmation s'affiche, cliquez sur **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

La boîte de dialogue Create New Setup s'affiche.

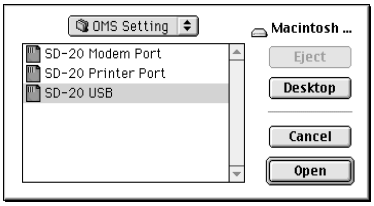
Cliquez sur **[Annuler]**. Si vous avez cliqué sur **[OK]** par erreur, cliquez sur **[Annuler]** dans la boîte suivante.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

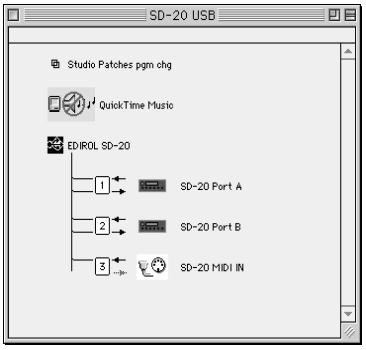
5

Choisissez "**Open**" dans le menu File.

Dans le dossier **OMS Settings** que vous avez copié à l'**étape 1**, sélectionnez le fichier **SD-20 USB**, puis cliquez sur **[Open]**.



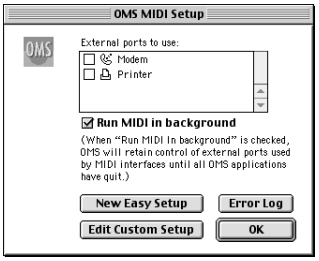
Un écran similaire à celui présenté ici s'affiche.



6

Dans le menu **Edit**, sélectionnez **OMS MIDI Setup**.

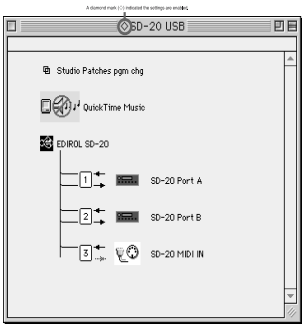
Dans la boîte de dialogue **OMS MIDI Setup** qui s'affiche, sélectionnez **Run MIDI in background** (Lancer MIDI en tâche de fond), puis cliquez sur **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

7

Dans le menu **File**, sélectionnez **Make Current** (Rendre actif).

Si vous ne pouvez pas sélectionner **Make Current**, cela signifie qu'il est déjà activé et que vous pouvez passer à l'étape suivante.



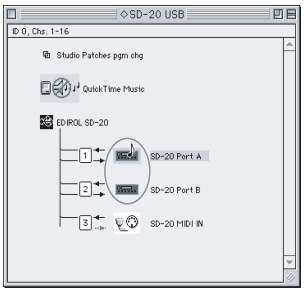
8

Vérifiez que l'envoi et la réception MIDI fonctionnent correctement. Dans le menu **Studio**, sélectionnez **Make Current** (Rendre actif).

9

Lorsque vous déplacez le curseur de la souris sur l'icône du générateur de sons, il se transforme en ♪.

Cliquez sur les icônes du générateur de sons entourées d'un cercle dans l'illustration suivante. Si du son est audible depuis le SD-20, les paramètres sont corrects. Si aucune donnée MIDI n'est transmise, le Macintosh générera une alerte sonore.



Le vumètre OUTPUT du SD-20 est-il actif ?

Si le vumètre OUTPUT du SD-20 est actif mais que vous n'entendez rien, vérifiez que le volume est bien réglé sur le SD-20 ou sur votre système audio.
Si le vumètre OUTPUT n'est pas actif, vérifiez à nouveau les connexions et les paramètres OMS.
Après avoir réglé les paramètres, choisissez à nouveau **Test** dans le menu **Studio**, puis exécutez l'**étape 9**.

MEMO

Si le SD-20 ne produit aucun son, reportez-vous à la section **No sound** (p. 237).

10 Quittez OMS Setup.

Dans le menu **File**, choisissez **[Exit]**. Si la boîte de dialogue **AppleTalk confirmation** s'affiche, cliquez sur **[OK]** pour la fermer.

Les procédures de connexion du SD-20 au Macintosh et d'installation du pilote MIDI sont terminées. A présent, les données MIDI peuvent être envoyées et reçues (enregistrées et jouées).

■ Installation du pilote SD-20 (FreeMIDI)

Procédez comme suit pour installer le pilote SD-20. Le **pilote SD-20 FreeMIDI** est un module supplémentaire fourni pour pouvoir faire fonctionner le SD-20 avec FreeMIDI. Pour pouvoir l'utiliser, **FreeMIDI doit déjà être installé sur le disque de démarrage**.

* *Débranchez le SD-20 du Macintosh avant d'effectuer l'installation.*

1

Quittez tous les logiciels (applications) actifs.

Si vous utilisez un anti-virus, quittez-le également.

2

Munissez-vous du CD-ROM.
Insérez le CD-ROM dans le lecteur de CD-ROM.

3

Cliquez deux fois sur l'icône **SD-20 USB Installer** (dans le dossier **Driver - FreeMIDI - USB Connection** du CD-ROM) pour lancer l'installeur.

4

Vérifiez l'emplacement de l'installation et cliquez sur **[Install]**.

5

Si un message du type suivant s'affiche, cliquez sur **[Continuer]**.

Les autres applications actives se ferment et l'installation continue.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6

Une boîte de dialogue s'affiche : "Installation completed". Cliquez sur **[Redémarrer]** pour redémarrer le Macintosh.

7

Utilisez le **câble USB** pour relier le **SD-20** à votre **ordinateur**.

8

Placez l'interrupteur d'alimentation du SD-20 sur ON.

MEMO

Cet appareil est équipé d'un circuit de protection. Après la mise sous tension, attendez quelques secondes avant d'utiliser l'appareil.

Paramètres FreeMIDI

1 Depuis le CD-ROM, copiez le dossier **Driver - FreeMIDI Driver - Settings** sur le disque dur du Macintosh.

2 Ouvrez le dossier FreeMIDI Applications à l'emplacement où vous avez installé FreeMIDI, puis cliquez deux fois sur l'icône **FreeMIDI Setup** pour le lancer.

3 Quand le message suivant apparaît : **"OMS is installed on this computer..."**, cliquez sur **[FreeMIDI]**.

4 Au premier lancement de FreeMIDI, une boîte de dialogue **"Welcome to FreeMIDI!"** s'affiche. Cliquez sur **[Continuer]**.

5 Quand la boîte de dialogue **FreeMIDI Preferences** s'affiche, cliquez sur **[Annuler]**.

6 Quand la boîte de dialogue **About Quick Setup** s'affiche, cliquez sur **[Annuler]**.

7 Dans le menu **File**, sélectionnez **Open**.

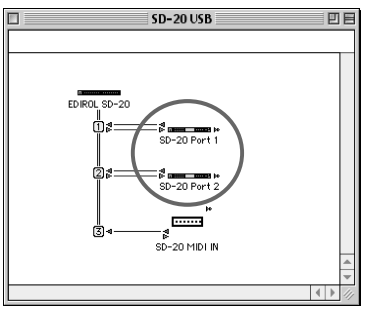
8 Sélectionnez **SD-20 USB** dans le dossier **FreeMIDI Settings** que vous avez copié à l'**étape 1**, puis cliquez sur **[Open]**.

9 Vérifiez que l'envoi et la réception MIDI fonctionnent correctement.

Dans le menu **MIDI**, sélectionnez **Check Connections**.

10 Le curseur de la souris prend la forme d'une note de musique. Cliquez sur les icônes du générateur de sons entourées d'un cercle dans l'illustration ci-contre.

Si vous entendez du son, cela signifie que les messages MIDI sont envoyés du Macintosh au SD-20.



MEMO

Si le SD-20 ne produit aucun son, reportez-vous à la section **No sound** (p. 237).

Le vumètre OUTPUT du SD-20 est-il actif ?

Si le vumètre OUTPUT du SD-20 est actif mais que vous n'entendez rien, vérifiez que le volume est bien réglé sur le SD-20 ou sur votre système audio. Si le vumètre OUTPUT n'est pas actif, vérifiez à nouveau les connexions et les paramètres OMS. Après avoir réglé les paramètres, choisissez à nouveau **Test** dans le menu **Studio**, puis exécutez l'**étape 10**.

11 Choisissez à nouveau la commande **MIDI Check Connections** pour terminer le test.

12 Dans le menu **File**, choisissez Quit pour quitter **FreeMIDI Setup**.

Les procédures de connexion du SD-20 au Macintosh et d'installation du pilote MIDI sont terminées. A présent, les données MIDI peuvent être envoyées et reçues (enregistrées et jouées).

Connexion série

Vous aurez besoin des éléments suivants pour l'installation et les connexions. Veuillez les tenir prêts.

- SD-20
- Adaptateur secteur
- Câble série
- CD-ROM

1 Eteignez le Macintosh, ainsi que tous les périphériques qui y sont connectés.

2 Placez l'**interrupteur informatique** du SD-20 sur **Mac**.

3 Utilisez un câble informatique série pour relier le **port modem** ou le **port d'imprimante** de votre Macintosh au SD-20.

4 Le **SD-20 étant éteint**, branchez-le à l'**adaptateur secteur**.

5 Branchez l'**adaptateur secteur** sur une prise secteur.

6 Allumez le SD-20 et le Macintosh.

MEMO

Cet appareil est équipé d'un circuit de protection. Après la mise sous tension, attendez quelques secondes avant d'utiliser l'appareil.

■ Installation du pilote SD-20 (OMS)

Procédez comme suit pour installer le pilote SD-20.
Le **pilote OMS SD-20** est un module supplémentaire fourni pour pouvoir faire fonctionner le SD-20 avec OMS. Pour pouvoir l'utiliser, **OMS doit déjà être installé sur le disque de démarrage.**

Pour plus d'information sur OMS, veuillez lire le document "**OMS_2.3_Mac.pdf**" (manuel au format Acrobat) situé dans le dossier "**OMS 2.3.8**" du dossier OMS sur le CD-ROM.

1

Quittez tous les logiciels (applications) actifs.

Si vous utilisez un anti-virus, quittez-le également.

2

Munissez-vous du CD-ROM.

Insérez le CD-ROM dans le lecteur de CD-ROM.

3

Cliquez deux fois sur l'icône **SD-20 Serial Installer** (dans le dossier **Driver - OMS Driver** du CD-ROM) pour lancer l'installeur.

4

Vérifiez l'emplacement de l'installation et cliquez sur **[Install]**.

5

Si un message du type suivant s'affiche, cliquez sur **[Continuer]**.

Les autres applications actives se ferment et l'installation continue.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6

Une boîte de dialogue s'affiche : "Installation completed".

Cliquez sur **[Redémarrer]** pour redémarrer le Macintosh.

NOTE

Le pilote OMS pour ce produit nécessite **OMS 2.3.5** ou spérieur.

MEMO

OMS se trouve dans le dossier OMS2.3.8 du dossier OMS sur le CD-ROM.

MEMO

Vous aurez besoin d'Adobe Acrobat Reader pour afficher le document OMS_2.3_Mac.pdf. La dernière version d'Adobe Acrobat Reader peut être téléchargée depuis le site web d'Adobe http://www.adobe.com (cette URL peut être modifiée sans préavis.)

Paramètres OMS

1

Depuis le CD-ROM, faites glisser le dossier **Driver-OMS Driver-OMS Settings** vers le disque dur du Macintosh pour le copier.

2

Dans le dossier **Opcode-OMS Application** où vous avez installé OMS, cliquez deux fois sur **OMS Setup** pour le lancer.

3

Si une boîte de dialogue similaire à celle présentée ici s'affiche, cliquez sur **[Turn It Off]**. Une boîte de confirmation s'affiche, cliquez sur **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

La boîte de dialogue Create New Setup s'affiche.

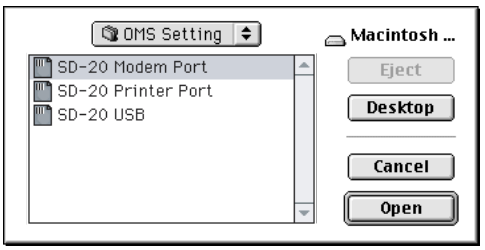
Cliquez sur **[Annuler]**. Si vous avez cliqué sur **[OK]** par erreur, cliquez sur **[Annuler]** dans la boîte suivante.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

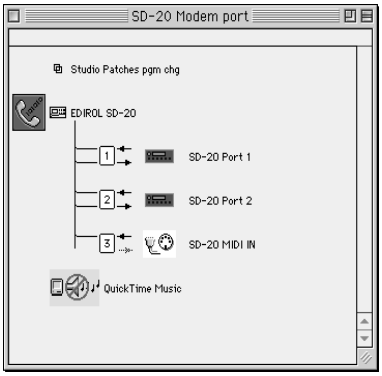
5

Choisissez "**Open**" dans le menu File.

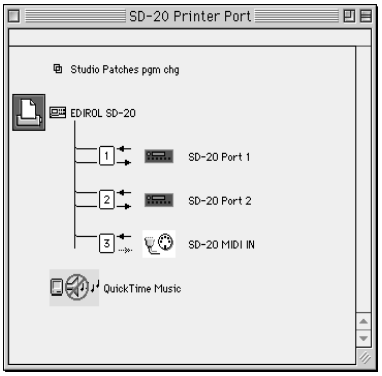
Ouvrez le dossier **OMS Settings** que vous avez copié à l'**étape 1**, sélectionnez un fichier comme nom du port auquel le SD-20 est connecté, puis cliquez sur **[Open]**.



Un écran similaire à celui présenté ici s'affiche.



Opening the SD-20 Modem Port file



Opening the SD-20 Printer Port file

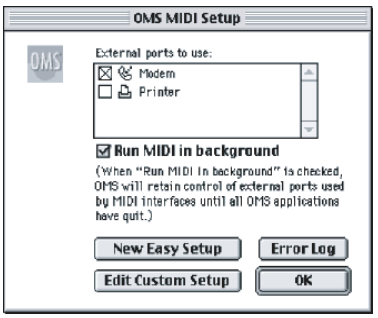
MEMO

Si vous réalisez une connexion sur un port combiné modem / imprimante comme sur les PowerBook, sélectionnez le fichier “SD-20 Modem Port”.

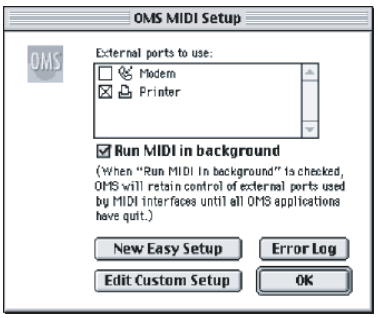
6

Dans le menu **Edit**, sélectionnez **OMS MIDI Setup**.

Dans la boîte de dialogue **OMS MIDI Setup** qui s'affiche, sélectionnez **Run MIDI in background** (Lancer MIDI en tâche de fond), puis cliquez sur **[OK]**.


OMS MIDI Setup
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Modem Port file

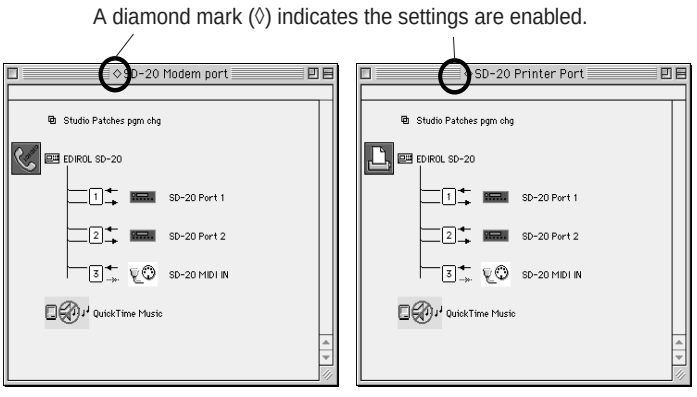

OMS MIDI Setup
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Printer Port file

7

Dans le menu **File**, sélectionnez **Make Current** (Rendre actif).

Si vous ne pouvez pas sélectionner **Make Current**, cela signifie qu'il est déjà activé et que vous pouvez passer à l'étape suivante.



Opening the SD-20 Modem Port file

Opening the SD-20 Printer Port file

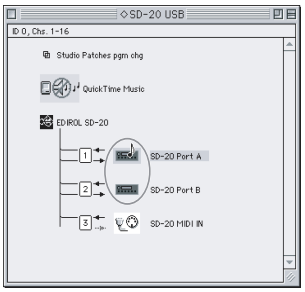
8

Vérifiez que l'envoi et la réception MIDI fonctionnent correctement. Dans le menu **Studio**, sélectionnez **Make Current** (Rendre actif).

9

Lorsque vous déplacez le curseur de la souris sur l'icône du générateur de sons, il se transforme en ♪.

Cliquez sur les icônes du générateur de sons entourées d'un cercle dans l'illustration suivante. Si du son est audible depuis le SD-20, les paramètres sont corrects. Si aucune donnée MIDI n'est transmise, le Macintosh générera une alerte sonore.



Le vumètre OUTPUT du SD-20 est-il actif ?

Si le vumètre OUTPUT du SD-20 est actif mais que vous n'entendez rien, vérifiez que le volume est bien réglé sur le SD-20 ou sur votre système audio. Si le vumètre OUTPUT n'est pas actif, vérifiez à nouveau les connexions et les paramètres OMS.
Après avoir réglé les paramètres, choisissez à nouveau **Test** dans le menu **Studio**, puis exécutez l'**étape 9**.

MEMO

Si le SD-20 ne produit aucun son, reportez-vous à la section **No sound** (p. 237).

10

Quittez OMS Setup.

Dans le menu **File**, choisissez **[Exit]**. Si la boîte de dialogue **AppleTalk confirmation** s'affiche, cliquez sur **[OK]** pour la fermer.

Les procédures de connexion du SD-20 au Macintosh et d'installation du pilote MIDI sont terminées. A présent, les données MIDI peuvent être envoyées et reçues (enregistrées et jouées).

■ Installation du pilote SD-20 (FreeMIDI)

Procédez comme suit pour installer le pilote SD-20. Le **pilote SD-20 FreeMIDI** est un module supplémentaire fourni pour pouvoir faire fonctionner le SD-20 avec FreeMIDI. Pour pouvoir l'utiliser, **FreeMIDI doit déjà être installé sur le disque de démarrage.**

1 Quittez tous les logiciels (applications) actifs.

Si vous utilisez un anti-virus, quittez-le également.

2 Munissez-vous du CD-ROM.

Insérez le CD-ROM dans le lecteur de CD-ROM.

3 Cliquez deux fois sur l'icône **SD-20 Serial Installer** (dans le dossier **Driver - FreeMIDI Driver - Serial Connection** du CD-ROM) pour lancer l'installeur.

4 Cliquez sur **[Install]**.

5 Une boîte de dialogue vous informe que vous devez redémarrer le Macintosh une fois l'installation terminée. Cliquez sur **[Continue]**.

6 Une fois l'installation terminée, cliquez sur **[Restart]**.

Paramètres FreeMIDI

1 Depuis le CD-ROM, copiez le dossier **Driver - FreeMIDI Driver – Settings** sur le disque dur du Macintosh.

2 Ouvrez le dossier FreeMIDI Applications à l'emplacement où vous avez installé FreeMIDI, puis cliquez deux fois sur l'icône **FreeMIDI Setup** pour le lancer.

3 Quand le message suivant apparaît : **“OMS is installed on this computer...”**, cliquez sur **[FreeMIDI]**.

4 Au premier lancement de FreeMIDI, une boîte de dialogue **“Welcome to FreeMIDI!”** s’affiche. Cliquez sur **[Continue]**.

5 Quand la boîte de dialogue **FreeMIDI Preferences** s'affiche, cliquez sur **[Cancel]**.

6 Quand la boîte de dialogue **About Quick Setup** s'affiche, cliquez sur **[Cancel]**.

7

Dans le menu **File**, sélectionnez **Open**.

Ouvrez le dossier **FreeMIDI Settings** que vous avez copié à l'**étape 1**, sélectionnez un fichier comme nom du port auquel le SD-20 est connecté, puis cliquez sur **[Open]**.

8

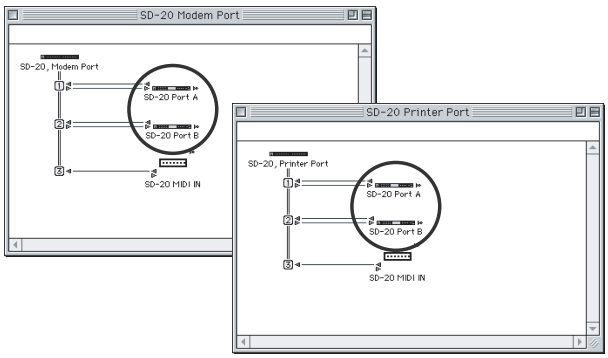
Vérifiez que l'envoi et la réception MIDI fonctionnent correctement.

Dans le menu **MIDI**, sélectionnez **Check Connections**.

9

Le curseur de la souris prend la forme d'une note de musique. Cliquez sur les icônes du générateur de sons entourées d'un cercle dans l'illustration ci-contre.

Si vous entendez du son, cela signifie que les messages MIDI sont envoyés du Macintosh au SD-20.



Le vumètre OUTPUT du SD-20 est-il actif ?

Si le vumètre OUTPUT du SD-20 est actif mais que vous n'entendez rien, vérifiez que le volume est bien réglé sur le SD-20 ou sur votre système audio.
Si le vumètre OUTPUT n'est pas actif, vérifiez à nouveau les connexions et les paramètres OMS.
Après avoir réglé les paramètres, choisissez à nouveau **Test** dans le menu **Studio**, puis exécutez l'**étape 9**.

MEMO

Si le SD-20 ne produit aucun son, reportez-vous à la section **No sound** (p. 237).

10

Choisissez à nouveau la commande **MIDI Check Connections** pour terminer le test.

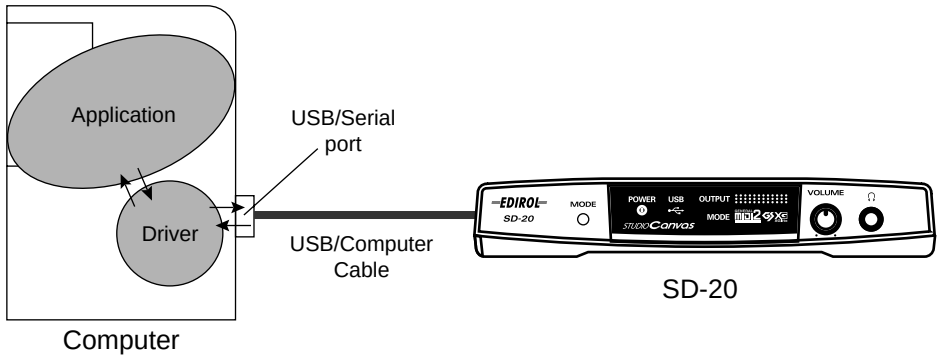
11

Dans le menu **File**, choisissez Quit pour quitter **FreeMIDI Setup**.

Les procédures de connexion du SD-20 au Macintosh et d'installation du pilote MIDI sont terminées. A présent, les données MIDI peuvent être envoyées et reçues (enregistrées et jouées).

Collegamenti e installazione dei driver (Windows)

Definizione di un driver



Un “driver” è un programma che trasferisce i dati tra l’SD-20 e il programma utilizzato sul computer attraverso un cavo USB. Il driver trasmette i dati dall’applicazione all’SD-20 e viceversa.

L’SD-20 può funzionare utilizzando l’“**alimentazione BUS**” fornita tramite il cavo USB. In questo caso l’adattatore AC in dotazione non è necessario. Tuttavia, se si utilizza un hub USB o se l’alimentazione fornita dal cavo USB è insufficiente, l’SD-20 potrebbe non funzionare correttamente. In questo caso, collegare l’adattatore di alimentazione AC all’SD-20.
Quando si installa il driver, è necessario collegare l’adattatore AC e spostare l’interruttore POWER su ON.

Tipi di collegamento disponibili

Si potrà utilizzare un cavo USB o il cavo del computer per un collegamento seriale. A seconda del tipo di collegamento, installare il driver appropriato e configurarlo in modo opportuno.

Collegamento USB.....(pag. 146)

Collegamento seriale.....(pag. 157)

Connettore USB

Per i collegamenti e l'installazione, è necessario disporre dei seguenti elementi. Accertarsi di averli pronti.

- SD-20
- Adattatore AC
- Cavo USB
- CD-ROM

La procedura d'installazione dipenderà dal sistema utilizzato.
Passare ad una delle sezioni seguenti a seconda del sistema utilizzato.

- Utenti Windows XP.....(pag. 146)
- Utenti Windows 2000.....(pag. 151)
- Utenti Windows Me / 98.....(pag. 155)

■ Utenti Windows XP

1

Dopo aver scollegato l'SD-20, avviare Windows.

Scollegare tutti i cavi USB, ad eccezione della tastiera e del mouse, se utilizzati.

2

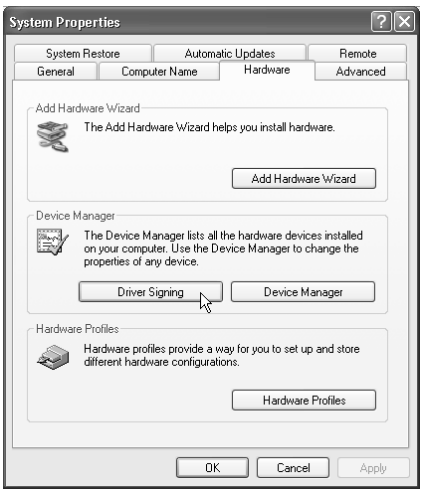
Aprire la finestra di dialogo **Proprietà del sistema**.

1. In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Pannello di controllo**.
2. In "**Scegliere una categoria**", fare clic su "**Prestazioni e manutenzione**".
3. In "**o un'icona del Pannello di controllo**", fare clic sull'icona **Sistema**.

3

Aprire la finestra di dialogo **Opzioni firma driver**.

Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**.



NOTE

Se si utilizza Windows XP Professional, è necessario collegarsi con un nome utente dotato di privilegi di tipo amministrativo (ad esempio Administrator). Per maggiori informazioni sugli account utente, contattare l'amministratore di sistema del computer.

MEMO

A seconda di come è stato configurato il sistema, l'icona **Sistema** potrebbe essere visualizzata subito nel **Pannello di controllo** (visualizzazione classica). In tal caso fare doppio clic sull'icona Sistema.

4

Accertarsi che "**Scegliere una delle seguenti opzioni**" sia impostato su "**Ignora**".

Se è attivata l'opzione "**Ignora**" fare clic su **[OK]**.
Se non è impostata su "**Ignora**" prendere nota dell'impostazione corrente (di avviso o di blocco). Modificare quindi l'impostazione su "**Ignora**" e fare clic su **[OK]**.

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

5

Chiudere la finestra di dialogo **Proprietà del sistema**.

Fare clic su **[OK]**.

6

Chiudere tutti i programmi in corso di esecuzione.

Chiudere anche le altre finestre aperte. Se si utilizza un programma antivirus o simile, accertarsi che sia anch'esso chiuso.

7

Preparare il CD-ROM.

Inserire il CD nell'unità CD-ROM del computer.

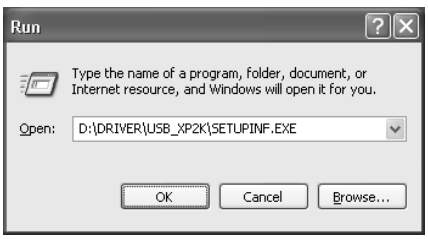
8

Aprire la finestra di dialogo "**Esegui...**".

Fare clic sul pulsante **Start** di Windows. Nel menu visualizzato, selezionare "**Esegui...**".

9

Nella finestra di dialogo che appare, immettere quanto segue nel campo "**Apri**" e fare clic su **[OK]**.



D:\DRIVER\USB_XP2K\SETUPINF.EXE

* *L'identificativo dell'unità "**D:**" potrebbe essere diverso da quello del sistema utilizzato. In questo caso specificare il nome dell'unità CD-ROM utilizzata.*

MEMO

Se al passo 4 il parametro "**Scegliere una delle seguenti impostazioni**" è stato modificato, dopo aver installato il driver è necessario ripristinare l'impostazione d'origine.
(->**Se è stata modificata l'impostazione "Scegliere una delle seguenti opzioni"** (pag. 150))

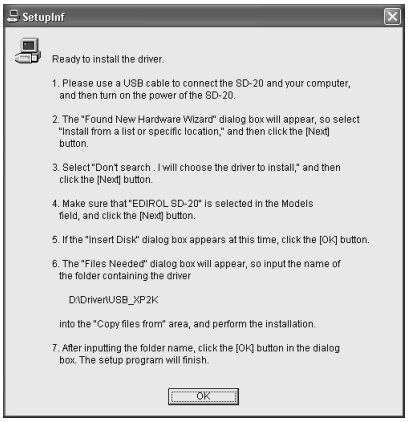
MEMO

In questo manuale, la posizione delle cartelle e dei file è indicata nel percorso del file utilizzando il carattere **** come delimitatore. Ad esempio, **USB_XP2K\SETUPINF.EXE** indica che il file **Setupinf.exe** si trova nella cartella **USB_XP2K**.

10 Appare la finestra di dialogo **SetupInf**.

È ora possibile installare il driver.

* *Non fare clic su **[OK]** adesso.*


SetupInf
Ready to install the driver.
1. Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
2. The "Found New Hardware Wizard" dialog box will appear, so select "Install from a list or specific location," and then click the [Next] button.
3. Select "Don't search . I will choose the driver to install," and then click the [Next] button.
4. Make sure that "EDIROL SD-20" is selected in the Models field, and click the [Next] button.
5. If the "Insert Disk" dialog box appears at this time, click the [OK] button.
6. The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
D:\Driver\USB_XP2K
into the "Copy files from" area, and perform the installation.
7. After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

11 Collegare l'SD-20.

1. Impostare l'**interruttore di selezione computer** dell'SD-20 su **USB**.
2. Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.
3. Inserire l'**adattatore AC** in una presa di corrente.
4. Utilizzare il **cavo USB** per collegare l'**SD-20** al **computer**.

12 Spostare l'interruttore di alimentazione dell'SD-20 in posizione ON.

Nella barra delle applicazioni il computer visualizzerà il messaggio "**Trovato nuovo hardware**." Attendere qualche minuto.

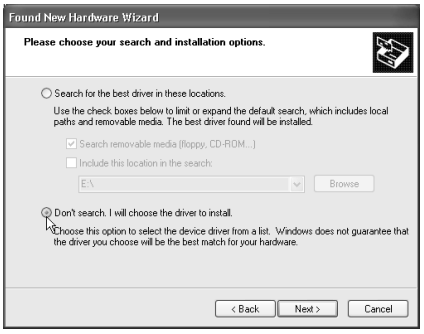
13 Verrà visualizzata la finestra di dialogo **Installazione guidata nuovo hardware**.

Accertarsi che sullo schermo appaia "**EDIROL SD-20**", selezionare "**Installa da un elenco o percorso specifico (per utenti esperti)**", e fare clic su **[Avanti]**.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
EDIROL SD-20
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

14 La finestra visualizzerà il seguente messaggio "**Selezionare le opzioni di ricerca e di installazione**".

Selezionare "**Non effettuare la ricerca. La scelta del driver da installare verrà effettuata manualmente**", e fare clic su **[Avanti]**.


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
E:\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

MEMO

Se appare il messaggio "**Il driver è già installato**", è possibile collegare l'SD-20 al computer e usarlo.

NOTE

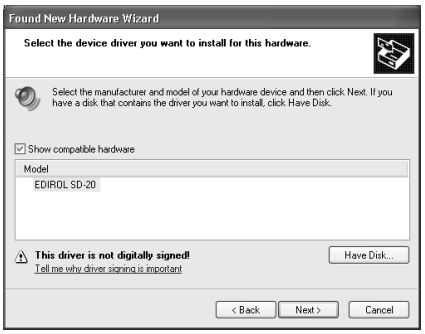
Anche se si prevede di utilizzare l'alimentazione tramite BUS, si consiglia di utilizzare l'adattatore AC durante l'installazione del driver e le procedure di configurazione.

MEMO

Questo apparecchio è provvisto di un circuito di protezione. È necessario aspettare qualche secondo dopo l'accensione prima che l'apparecchio funzioni normalmente.

15

Accertarsi che il campo "**Modello**" visualizzi "**EDIROL SD-20**", e fare clic su **[Avanti]**. La procedura di installazione del driver verrà avviata.


Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
EDIROL SD-20
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

Se al passo 4 l'impostazione "**Scegliere una delle seguenti opzioni**" non è stata impostata su "Ignora", comparirà il messaggio "Firma digitale non trovata".

Se "Scegliere una delle seguenti opzioni" è impostato su "Avvisa".

1. Fare clic su **[Continuare]**.
2. Continuare l'installazione.

Se "Scegliere una delle seguenti opzioni" è impostato su "Blocca"

1. Fare clic su **[OK]**.
2. Quando appare la finestra "**Installazione guidata nuovo hardware**", fare clic su **[Fine]**.

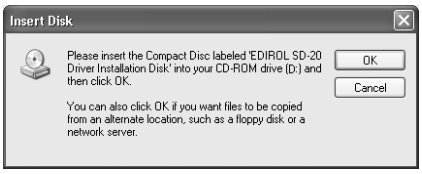
Hardware Installation
The software you are installing for this hardware:
EDIROL SD-20
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

3. Eseguire l'installazione come descritto nella sezione "**Troubleshooting**" relativa a **Device Manager shows "?", "!", or "USB Composite Device"** (pag. 235).

16

Viene visualizzata la finestra di dialogo **Inserisci disco**

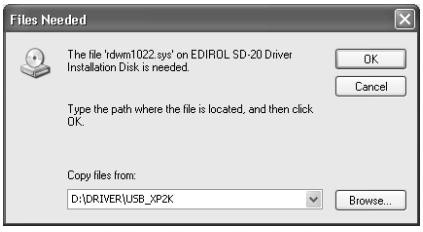
Fare clic su **[OK]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (D:) and then click OK.
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.
OK
Cancel

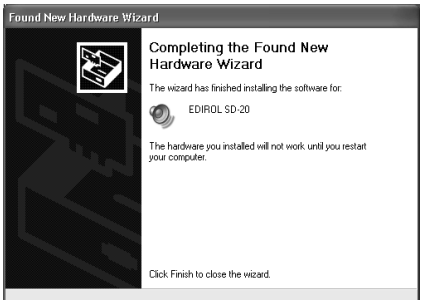
17

Viene visualizzata la finestra di dialogo **Richiesta file**

Nella zona "**Copia file da**" immettere "**D:\DRIVER\USB_XP2K**" e fare clic su **[OK]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

18 Verrà visualizzata la finestra di dialogo **Installazione guidata nuovo hardware**.
Accertarsi che sullo schermo sia visualizzato "**EDIROL SD-20**", e fare clic su **[Fine]**.
Attendere fino a quando nella barra delle applicazioni non appare il messaggio "**Trovato nuovo hardware**".


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
EDIROL SD-20
The hardware you installed will not work until you restart your computer.
Click Finish to close the wizard.

19 Riavviare Windows.

Alla fine dell'installazione del driver, comparirà la finestra di dialogo **Modifica impostazioni di sistema**. Fare clic su **[Sì]**.

Se è stata modificata l'impostazione "Scegliere una delle seguenti opzioni"

Se l'impostazione **Scegliere una delle seguenti opzioni** è stata modificata al passo 5, ripristinare il parametro d'origine dopo aver riavviato Windows.

1. Se si utilizza Windows XP Professional, collegarsi con un nome utente dotato di privilegi di tipo amministrativo (ad esempio Administrator).
2. In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Pannello di controllo**.
3. In "**Scegliere una categoria**", fare clic su "**Prestazioni e manutenzione**".
4. In "**o un'icona del Pannello di controllo**", fare clic sull'icona **Sistema**. Viene visualizzata la finestra di dialogo Proprietà del sistema.
5. Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**. Verrà visualizzata la finestra di dialogo **Opzioni firma driver**.
6. Ripristinare l'impostazione **Scegliere una delle seguenti opzioni** al parametro d'origine, di avviso o di blocco, e fare clic su **[OK]**.
7. Fare clic su **[OK]**. La finestra di dialogo **Proprietà di sistema** si chiude.

Successivamente sarà necessario configurare il driver.
(-> **Configurazione e verifica** (pag. 167)**)**

■ Utenti Windows 2000

1

Dopo aver scollegato l'SD-20, avviare Windows.

Scollegare tutti i cavi USB, ad eccezione della tastiera e del mouse, se utilizzati.

2

Collegarsi a Windows con i **privilegi di un amministratore**, ad esempio come Administrator.

3

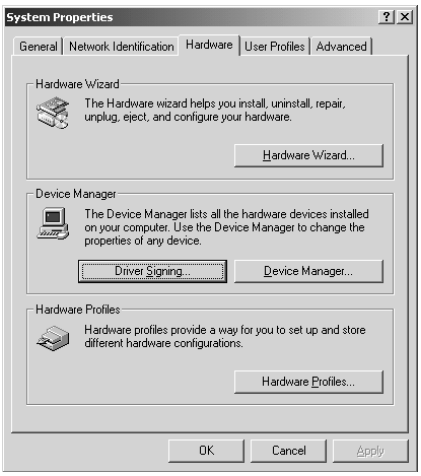
Aprire la finestra di dialogo **Proprietà del sistema**.

In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Impostazioni | Pannello di controllo**. Nel **Pannello di controllo**, fare doppio clic sull'icona **Sistema**.

4

Aprire la finestra di dialogo **Opzioni firma driver**.

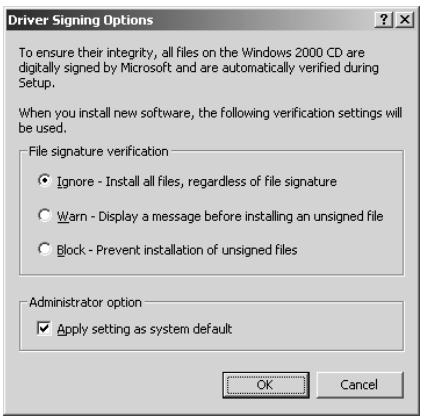
Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

5

Accertarsi che "**Verifica firma file**" sia impostato su "**Ignora**".

Se è attivata l'opzione "**Ignora**" fare clic su **[OK]**.
Se non è impostata su "**Ignora**" prendere nota dell'impostazione corrente (di avviso o di blocco). Modificare quindi l'impostazione su "**Ignora**" e fare clic su **[OK]**.


Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

6

Chiudere la finestra di dialogo **Proprietà del sistema**.

Fare clic su **[OK]**.

MEMO

Se l'impostazione "Verifica firma file" è stata cambiata al passo 5, ripristinare l'impostazione originale dopo aver avviato Windows.
(->**Se è stata modificata l'impostazione "Verifica firma file"** (pag. 154))

7 Chiudere tutti i programmi in corso di esecuzione.

Chiudere anche le altre finestre aperte. Se si utilizza un programma antivirus o simile, accertarsi che sia anch'esso chiuso.

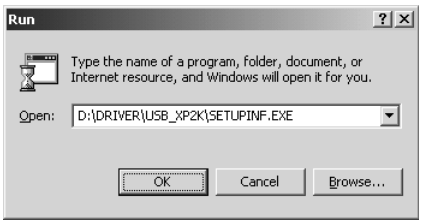
8 Preparare il CD-ROM.

Inserire il CD nell'unità CD-ROM del computer.

9 Aprire la finestra di dialogo " **Esegui...**".

Fare clic sul pulsante **Start** di Windows. Nel menu visualizzato, selezionare "**Esegui...**".

10 Nella finestra di dialogo che appare, immettere quanto segue nel campo "**Apri**" e fare clic su **[OK]**.



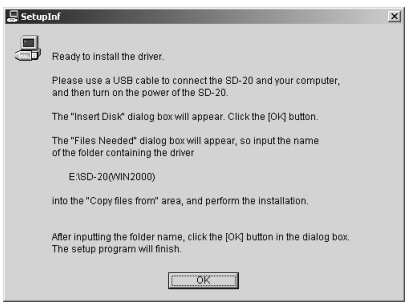
D:\DRIVER\USB_XP2K\SETUPINF.EXE

* *L'identificativo dell'unità "**D:**" potrebbe essere diverso da quello del sistema utilizzato. In questo caso specificare il nome dell'unità CD-ROM utilizzata.*

11 Appare la finestra di dialogo **SETUPINF**.

È ora possibile installare il driver.

* *Non fare clic su **[OK]** adesso.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
The "Insert Disk" dialog box will appear. Click the [OK] button.
The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN2000)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

12 Collegare l'SD-20.

1. Impostare l'**interruttore di selezione computer** dell'SD-20 su **USB**.
2. Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.
3. Inserire l'**adattatore AC** in una presa di corrente.
4. Utilizzare il **cavo USB** per collegare l'**SD-20** al **computer**.

13 Spostare l'**interruttore di alimentazione** dell'SD-20 in posizione **ON**.

MEMO

In questo manuale, la posizione delle cartelle e dei file è indicata nel percorso del file utilizzando il carattere **** come delimitatore. Ad esempio, **USB_XP2K\SETUPINF.EXE** indica che il file **Setupinf.exe** si trova nella cartella **USB_XP2K**.

NOTE

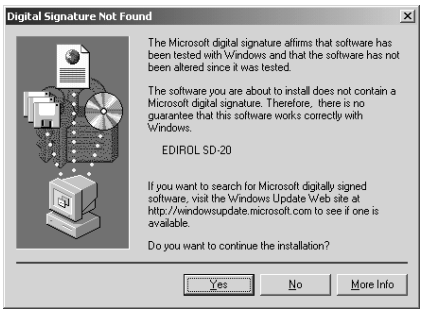
Anche se si prevede di utilizzare l'alimentazione tramite BUS, si consiglia di utilizzare l'adattatore AC durante l'installazione del driver e le procedure di configurazione.

MEMO

Questo apparecchio è provvisto di un circuito di protezione. È necessario aspettare qualche secondo dopo l'accensione prima che l'apparecchio funzioni normalmente.

Se al **passo 5**l'impostazione "**Verifica firma file**" non è stata impostata su "**Ignora**", verrà visualizzato il messaggio "**Firma digitale non trovata**".

Se "Verifica firma digitale" è impostato su "Avvisa"


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
EDIROL SD-20
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

1. Fare clic su **[Sì]**.
2. Continuare l'installazione.

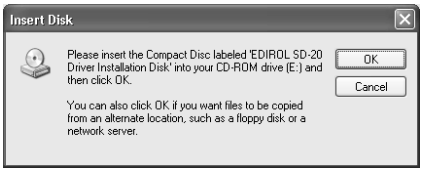
Se "Verifica firma digitale" è impostato su "Blocca"

1. Fare clic su **[OK]**.
2. Quando appare la finestra "**Installazione guidata nuovo hardware**", fare clic su **[Fine]**.
3. Eseguire l'installazione come descritto nella sezione "**Troubleshooting**" relativa a **Device Manager shows "?", "!", or "USB Composite Device"** (pag. 235).

14

Viene visualizzata la finestra di dialogo **Inserisci disco**

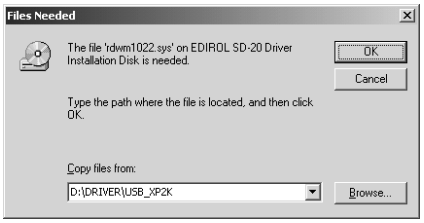
Fare clic su **[OK]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (E:) and then click OK.
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.
OK
Cancel

15

Viene visualizzata la finestra di dialogo **Richiesta file**

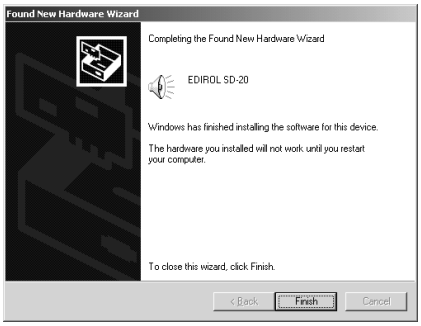
Nella zona "**Copia file da**" immettere "**D:\DRIVER\USB_XP2K**" e fare clic su **[OK]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

16

Potrebbe comparire la finestra di dialogo "**Installazione guidata nuovo hardware**".

Accertarsi che "**EDIROL SD-20**" sia visualizzato e fare clic su **[Fine]**.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
EDIROL SD-20
Windows has finished installing the software for this device.
The hardware you installed will not work until you restart your computer.
To close this wizard, click Finish.
< Back
Finish
Cancel

NOTE

Se la finestra di dialogo Inserire il disco non appare, leggere la sezione **The "Insert Disk" dialog box does not appear** (pag. 235)

17 Riavviare Windows.

Viene visualizzata la finestra di dialogo **Modifica impostazioni di sistema**. Fare clic su **[Sì]**. Windows verrà riavviato automaticamente.

Se è stata modificata l'impostazione "Verifica firma file"

Se l'impostazione "Verifica firma file" è stata cambiata al passo 5, ripristinare l'impostazione originale dopo aver avviato Windows.

1. Dopo aver riavviato Windows, collegarsi a Windows come un utente dotato di **privilegi di amministrazione**, ad esempio come Administrator.
2. Sul desktop di Windows, fare clic con il pulsante destro del mouse su **Risorse del computer** e nel menu visualizzato selezionare **Proprietà**. Viene visualizzata la finestra di dialogo **Proprietà del sistema**.
3. Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**. Verrà visualizzata la finestra di dialogo **Opzioni firma driver**.
4. Ripristinare l'impostazione "**Verifica firma file**" al valore d'origine ("**Avvisa**" o "**Blocca**") e fare clic su **[OK]**.
5. Fare clic su **[OK]**. La finestra di dialogo **Proprietà di sistema** si chiude.

Successivamente sarà necessario configurare il driver.
(-> **Configurazione e verifica** (pag. 167)

■ Utenti Windows Me/98

1

Dopo aver scollegato l'SD-20, avviare Windows.

Scollegare tutti i cavi USB, ad eccezione della tastiera e del mouse, se utilizzati.

2

Chiudere tutti i programmi in corso di esecuzione.

Chiudere anche le altre finestre aperte. Se si utilizza un programma antivirus o simile, accertarsi che sia anch'esso chiuso.

3

Preparare il CD-ROM.

Inserire il CD nell'unità CD-ROM del computer.

4

Aprire la finestra di dialogo "**Esegui...**".

Fare clic sul pulsante **Start** di Windows.
Nel menu visualizzato, selezionare "**Esegui…**".

5

Nella finestra di dialogo che appare, immettere quanto segue nel campo "**Apri**" e fare clic su **[OK]**.

D:\DRIVER\USB_ME98\SETUPINF.EXE

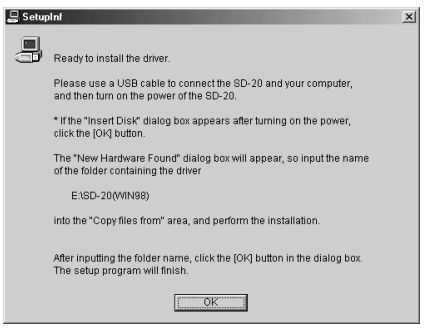
* *L'identificativo dell'unità "**D:**" potrebbe essere diverso da quello del sistema utilizzato. In questo caso specificare il nome dell'unità CD-ROM utilizzata.*

6

Appare la finestra di dialogo **SETUPINF**.

È ora possibile installare il driver.

* *Non fare clic su **[OK]** adesso.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
* If the "Insert Disk" dialog box appears after turning on the power, click the [OK] button.
The "New Hardware Found" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN98)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

MEMO

In questo manuale, la posizione delle cartelle e dei file è indicata nel percorso del file utilizzando il carattere **** come delimitatore. Ad esempio, **USB_ME98\SETUPINF.EXE** indica che il file **Setupinf.exe** si trova nella cartella **USB_ME98**.

7

Collegare l'SD-20.

1. Impostare l'**interruttore di selezione computer** dell'SD-20 su **USB**.
2. Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.
3. Inserire l'**adattatore AC** in una presa di corrente.
4. Utilizzare il **cavo USB** per collegare l'**SD-20** al **computer**.

8

Spostare l'interruttore di alimentazione dell'SD-20 in posizione **ON**.

9

Se si utilizza Windows 98, verrà visualizzato il messaggio **Inserisci disco**.

Fare clic su **[OK]**.

10

Appare la finestra di dialogo **Trovato nuovo hardware**.

Nella zona "**Copia file da**" immettere "**D:\DRIVER\USB_ME98**" e fare clic su **[OK]**.

New Hardware Found
The file 'rddp0022.dat' was not found.
Windows needs the disk labeled 'EDIROL SD-20 Driver Installation disk' to continue. This disk may be provided by your computer or device manufacturer.
Copy files from:
D:\DRIVER\USB_ME98
OK
Cancel
Skip File
Details...
Browse...

11

Una volta che il driver è stato installato, la finestra **Trovato nuovo hardware** si chiude.

Nella finestra di dialogo **SETUPINF**, fare clic su **[OK]**. Appare la finestra di dialogo **SETUPINF**.

Successivamente sarà necessario configurare il driver.
(-> **Configurazione e verifica** (pag. 167)

NOTE

Anche se si prevede di utilizzare l'alimentazione tramite BUS, si consiglia di utilizzare l'adattatore AC durante l'installazione del driver e le procedure di configurazione.

MEMO

Questo apparecchio è provvisto di un circuito di protezione. È necessario aspettare qualche secondo dopo l'accensione prima che l'apparecchio funzioni normalmente.

NOTE

Se si utilizza Windows 98 e il messaggio **Inserisci disco** non appare, leggere il punto **The "Insert Disk" dialog box does not appear** (pag. 235)

NOTE

Se la finestra di dialogo **Trovato nuovo hardware** non appare, reinstallare il driver seguendo la stessa procedura descritta nella sezione **The "Insert Disk" dialog box does not appear** (pag. 235).

Collegamento seriale

Per i collegamenti e l'installazione, è necessario disporre dei seguenti elementi. Accertarsi di averli pronti.

- SD-20
- Adattatore AC
- Cavo del computer
- CD-ROM

La procedura d'installazione dipenderà dal sistema utilizzato.
Passare ad una delle sezioni seguenti a seconda del sistema utilizzato.

- Utenti Windows XP.....(pag. 157)
- Utenti Windows 2000.....(pag. 161)
- Utenti Windows Me / 98.....(pag. 165)

■ Utenti Windows XP

1 Accertarsi che l'SD-20, il computer e tutte le periferiche siano spenti.

2 Impostare l'**interruttore di selezione computer** dell'SD-20 su **PC**.

3 Utilizzare il cavo del computer per collegare il connettore seriale del computer all'SD-20.

4 Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.

5 Inserire l'**adattatore AC** in una presa di corrente.

6 **Accendere** l'SD-20 e il computer e avviare Windows.

7 Aprire la finestra di dialogo **Proprietà del sistema**.

1. In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Pannello di controllo**.
2. In "**Scegliere una categoria**", fare clic su "**Prestazioni e manutenzione**."
3. In " **o un'icona del Pannello di controllo**", fare clic sull'icona **Sistema**.

NOTE

Se si utilizza Windows XP Professional, è necessario collegarsi con un nome utente dotato di privilegi di tipo amministrativo (ad esempio Administrator). Per maggiori informazioni sugli account utente, contattare l'amministratore di sistema del computer.

MEMO

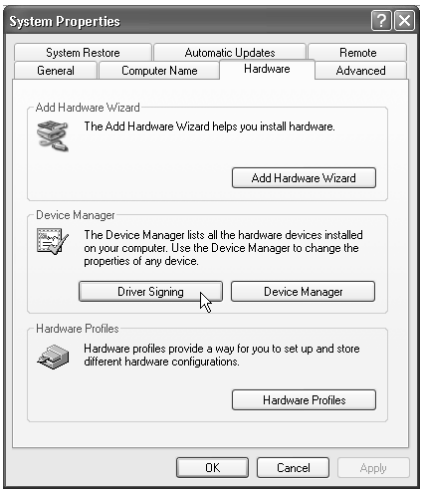
Per maggiori informazioni sui collegamenti, fare riferimento alla sezione **Basic connections** (pag. 13).

MEMO

A seconda di come è stato configurato il sistema, l'icona **Sistema** potrebbe essere visualizzata subito nel **Pannello di controllo** (visualizzazione classica). In tal caso fare doppio clic sull'icona Sistema.

8 Aprire la finestra di dialogo **Opzioni firma driver**.

Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**.



9 Accertarsi che "**Scegliere una delle seguenti opzioni**" sia impostato su "**Ignora**".

Se è attivata l'opzione "**Ignora**" fare clic su **[OK]**.
Se non è impostata su "**Ignora**" prendere nota dell'impostazione corrente (di avviso o di blocco). Modificare quindi l'impostazione su "**Ignora**" e fare clic su **[OK]**.

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

10 Chiudere la finestra di dialogo Proprietà del sistema.

Fare clic su **[OK]**.

11 Chiudere tutti i programmi in corso di esecuzione.

Chiudere anche le altre finestre aperte. Se si utilizza un programma antivirus o simile, accertarsi che sia anch'esso chiuso.

12 Preparare il CD-ROM.

Inserire il CD nell'unità CD-ROM del computer.

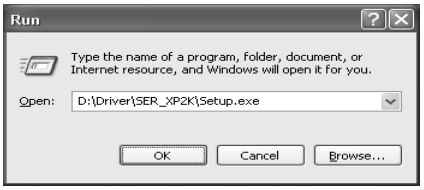
13 Aprire la finestra di dialogo "**Esegui...**".

Fare clic sul pulsante **Start** di Windows. Nel menu visualizzato, selezionare "**Esegui...**".

MEMO

Se al passo 8 il parametro "**Scegliere una delle seguenti impostazioni**" è stato modificato, dopo aver installato il driver è necessario ripristinare l'impostazione d'origine. (->**Se è stata modificata l'impostazione "Scegliere una delle seguenti opzioni"** (pag. 150))

14 Nella finestra di dialogo che appare, immettere quanto segue nel campo "**Apri**" e fare clic su **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *L'identificativo dell'unità "**D:**" potrebbe essere diverso da quello del sistema utilizzato. In questo caso specificare il nome dell'unità CD-ROM utilizzata.*

15 Appare una finestra di dialogo di **benvenuto**.

Fare clic su **[Avanti]**.

16 Verrà visualizzata una finestra di dialogo simile a quella visualizzata.

Fare clic su **[Avanti]**.

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

MEMO

In questo manuale, la posizione delle cartelle e dei file è indicata nel percorso del file utilizzando il carattere **** come delimitatore. Ad esempio, **SER_XP2K\SETUP.EXE** indica che il file **Setupinf.exe** si trova nella cartella **SER_XP2K**.

Se al **passo 9** l'impostazione "**Scegliere una delle seguenti opzioni**" non è stata impostata su **"Ignora"**, comparirà il messaggio **Installazione guidata hardware**".

Se "Scegliere una delle seguenti opzioni" è impostato su "Avvisa".

1. Fare clic su **[Continuare]**.
2. Continuare l'installazione.

Se "Scegliere una delle seguenti opzioni" è impostato su "Blocca"

1. Fare clic su **[OK]**.
2. Quando appare la finestra "**Installazione guidata nuovo hardware**", fare clic su **[Fine]**.
3. Eseguire l'installazione come descritto nella sezione "**Troubleshooting**" relativa a **Device Manager shows "?", "!", or "USB Composite Device"** (pag. 235).

Hardware Installation
The software you are installing for this hardware:
Roland Serial MIDI Driver
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

17

Verrà visualizzata la finestra di dialogo **Roland Serial MIDI Driver Settings**.

Impostare i seguenti parametri. Fare clic su **[OK]**.

COM Ports

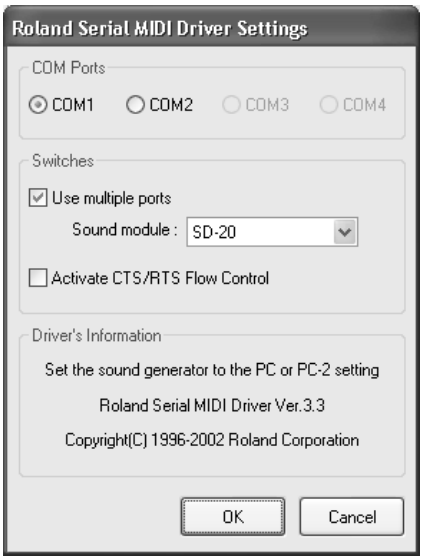
Selezionare la porta seriale (porta COM) cui è collegata la porta seriale dell'SD-20.

Switches

Selezionare "**Use multiple ports**".

Fare clic sul simbolo ▼ a destra del campo **[Sound module]** e selezionare **SD-20**.

* *Non selezionare "**Activate CTS/RTS Flow Control**".*



18

Alla fine dell'installazione del driver, comparirà la finestra di dialogo **Riavviare il computer**. Riavviare il computer.

Se è stata modificata l'impostazione "Scegliere una delle seguenti opzioni"

Se l'impostazione **Scegliere una delle seguenti opzioni** è stata modificata al passo 5, ripristinare il parametro d'origine dopo aver riavviato Windows.

1. Se si utilizza Windows XP Professional, collegarsi con un nome utente dotato di privilegi di tipo amministrativo (ad esempio Administrator).
2. In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Pannello di controllo**.
3. In "**Scegliere una categoria**", fare clic su "**Prestazioni e manutenzione**".
4. In "**o un'icona del Pannello di controllo**", fare clic sull'icona **Sistema**. Viene visualizzata la finestra di dialogo Proprietà del sistema.
5. Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**. Verrà visualizzata la finestra di dialogo **Opzioni firma driver**.
6. Ripristinare l'impostazione **Scegliere una delle seguenti opzioni** al parametro d'origine, di avviso o di blocco, e fare clic su **[OK]**.
7. Fare clic su **[OK]**. La finestra di dialogo **Proprietà di sistema** si chiude.

Successivamente sarà necessario configurare il driver.
(-> **Configurazione e verifica** (pag. 167)**)**

■ Utenti Windows 2000

1 Accertarsi che l'SD-20, il computer e tutte le periferiche siano spenti.

2 Impostare l'**interruttore di selezione computer** dell'SD-20 su **PC**.

3 Utilizzare il cavo del computer per collegare il connettore seriale del computer all'SD-20.

4 Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.

5 Inserire l'**adattatore AC** in una presa di corrente.

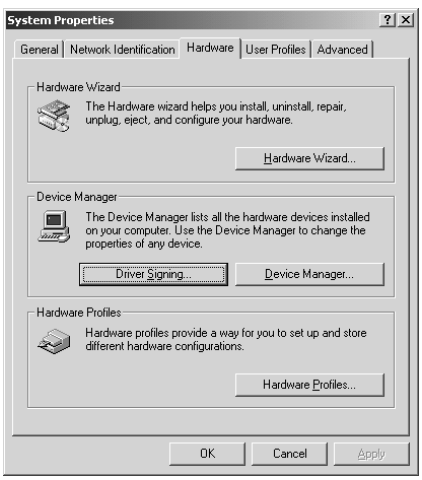
6 Accendere l'SD-20 e il computer e avviare Windows.

7 Aprire la finestra di dialogo **Proprietà del sistema**.

1. In Windows, fare clic sul menu **Start** e nel menu selezionare **Impostazioni | Pannello di controllo**.
2. Nel "**Pannello di controllo**", fare doppio clic sull'icona **Sistema**.

8 Aprire la finestra di dialogo **Opzioni firma driver**.

Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

NOTE

Collegarsi a Windows con un nome utente dotato di privilegi di tipo amministrativo, ad esempio Administrator. Per maggiori informazioni sugli account utente, contattare l'amministratore di sistema del computer.

MEMO

Per maggiori informazioni sui collegamenti, fare riferimento alla sezione "**Basic connections** (pag. 13)".

9

Accertarsi che "**Verifica firma file**" sia impostato su "**Ignora**".

Se è attivata l'opzione "**Ignora**" fare clic su **[OK]**.
Se non è impostata su "**Ignora**" prendere nota dell'impostazione corrente (di avviso o di blocco). Modificare quindi l'impostazione su "**Ignora**" e fare clic su **[OK]**.

Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

10

Chiudere la finestra di dialogo **Proprietà del sistema**.

Fare clic su **[OK]**.

11

Chiudere tutti i programmi in corso di esecuzione.

Chiudere anche le altre finestre aperte. Se si utilizza un programma antivirus o simile, accertarsi che sia anch'esso chiuso.

12

Preparare il CD-ROM.

Inserire il CD nell'unità CD-ROM del computer.

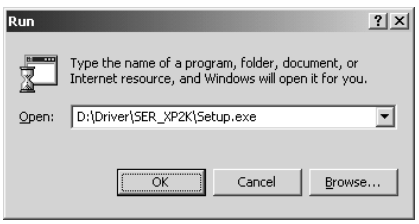
13

Aprire la finestra di dialogo " **Esegui...**".

Fare clic sul pulsante **Start** di Windows.
Nel menu visualizzato, selezionare "**Esegui…**".

14

Nella finestra di dialogo che appare, immettere quanto segue nel campo "**Apri**" e fare clic su **[OK]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *L'identificativo dell'unità "**D:**" potrebbe essere diverso da quello del sistema utilizzato. In questo caso specificare il nome dell'unità CD-ROM utilizzata.*

15

Appare una finestra di dialogo di **benvenuto**.

Fare clic su **[Avanti]**.

MEMO

In questo manuale, la posizione delle cartelle e dei file è indicata nel percorso del file utilizzando il carattere **** come delimitatore. Ad esempio, **SER_XP2K\SETUP.EXE** indica che il file **Setupinf.exe** si trova nella cartella **SER_XP2K**.

16 Verrà visualizzata una finestra di dialogo simile a quella visualizzata.

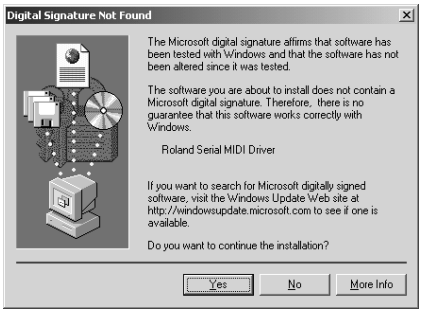
Fare clic su **[Avanti]**.

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

Se al **passo ?**l'impostazione "**Verifica firma file**" non è stata impostata su "**Ignora**", verrà visualizzato il messaggio "**Firma digitale non trovata**".

Se "Verifica firma digitale" è impostato su "Avvisa"

1. Fare clic su **[Sì]**.
2. Continuare l'installazione.


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Roland Serial MIDI Driver
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

Se "Verifica firma digitale" è impostato su "Blocca"

1. Fare clic su **[OK]**.
2. Quando appare la finestra "Installazione guidata nuovo hardware", fare clic su **[Fine]**.
3. Eseguire l'installazione come descritto nella sezione "**Troubleshooting**" relativa a **Device Manager shows "?", "!", or "USB Composite Device"** (pag. 235).

17 Verrà visualizzata la finestra di dialogo **Roland Serial MIDI Driver Settings**.

Impostare i seguenti parametri. Fare clic su **[OK]**.

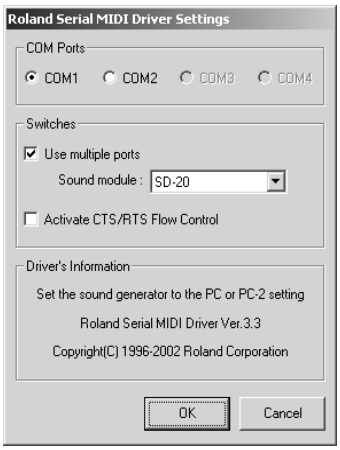
COM Ports

Selezionare la porta seriale (porta COM) cui è collegata la porta seriale dell'SD-20.

Switches

Selezionare "**Use multiple ports**".

Fare clic sul simbolo ▼ a destra del campo **[Sound module]** e selezionare **SD-20**.



* *Non selezionare "**Activate CTS/RTS Flow Control**".*

18 Alla fine dell'installazione del driver, comparirà la finestra di dialogo **Riavviare il computer**. Riavviare il computer.

Se è stata modificata l'impostazione "Verifica firma file"

Se l'impostazione "Verifica firma file" è stata cambiata al passo 5, ripristinare l'impostazione originale dopo aver avviato Windows.

1. Dopo aver riavviato Windows, collegarsi a Windows come un utente dotato di **privilegi di amministrazione**, ad esempio come Administrator.
2. Sul desktop di Windows, fare clic con il pulsante destro del mouse su **Risorse del computer** e nel menu visualizzato selezionare **Proprietà**. Viene visualizzata la finestra di dialogo **Proprietà del sistema**.
3. Fare clic sulla scheda **Hardware** e poi sul pulsante **[Firma driver]**. Verrà visualizzata la finestra di dialogo **Opzioni firma driver**.
4. Ripristinare l'impostazione "**Verifica firma file**" al valore d'origine ("**Avvisa**" o "**Blocca**") e fare clic su **[OK]**.
5. Fare clic su **[OK]**. La finestra di dialogo **Proprietà di sistema** si chiude.

Successivamente sarà necessario configurare il driver.
(->**Configurazione e verifica** (pag. 167)

■ Utenti Windows Me/98

1 Accertarsi che l'SD-20, il computer e tutte le periferiche siano spenti.

2 Impostare l'**interruttore di selezione computer** dell'SD-20 su **PC**.

3 Utilizzare il cavo del computer per collegare il connettore seriale del computer all'SD-20.

4 Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.

5 Inserire l'**adattatore AC** in una presa di corrente.

6 Accendere l'SD-20 e il computer e avviare Windows.

7 Chiudere tutti i programmi in corso di esecuzione.

Chiudere anche le altre finestre aperte. Se si utilizza un programma antivirus o simile, accertarsi che sia anch'esso chiuso.

8 Preparare il CD-ROM.

Inserire il CD nell'unità CD-ROM del computer.

9 Aprire la finestra di dialogo " **Esegui...**".

Fare clic sul pulsante **Start** di Windows.
Nel menu visualizzato, selezionare "**Esegui…**".

10 Nella finestra di dialogo che appare, immettere quanto segue nel campo "**Apri**" e fare clic su **[OK]**.

D:\DRIVER\SER_ME98\DISK1\SETUP.EXE

* *L'identificativo dell'unità "**D:**" potrebbe essere diverso da quello del sistema utilizzato. In questo caso specificare il nome dell'unità CD-ROM utilizzata.*

11 Appare una finestra di dialogo di **benvenuto**.

Fare clic su **[Avanti]**.

MEMO

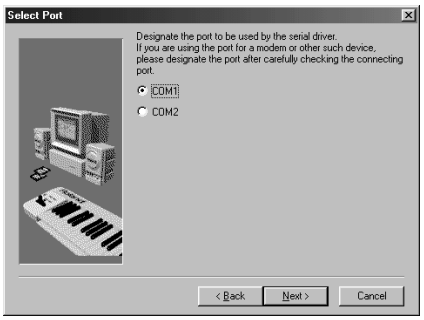
Per maggiori informazioni sui collegamenti, fare riferimento alla sezione "**Basic connections** (pag. 13)".

MEMO

In questo manuale, la posizione delle cartelle e dei file è indicata nel percorso del file utilizzando il carattere **** come delimitatore. Ad esempio, **SER_ME98\SETUP.EXE** indica che il file **Setupinf.exe** si trova nella cartella **SER_ME98**.

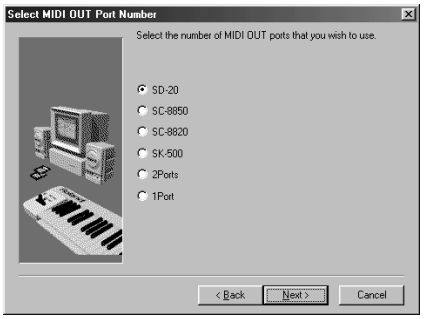
12 Viene visualizzata la finestra di dialogo **Select Port**

Selezionare la porta seriale cui è collegato l'SD-20 e fare clic su **[Avanti]**.
Il numero di porte COM dipende dalla configurazione di lavoro.


Select Port
Designate the port to be used by the serial driver.
If you are using the port for a modem or other such device, please designate the port after carefully checking the connecting port.
COM1
COM2
< Back
Next >
Cancel

13 Viene visualizzata la finestra di dialogo **Select MIDI OUT Port Number**.

Selezionare SD-20 e fare clic su **[Avanti]**.



14 Verrà visualizzata la finestra di dialogo **Installation information** .

Controllare il contenuto della finestra e fare clic su **[Avanti]**.

15 Viene visualizzata la finestra di dialogo **Computer Switch Setting**.

Accertarsi che l'interruttore di selezione computer sul retro dell'SD-20 sia impostato su **[PC]** e fare clic su **[Avanti]**.
Se non è impostato su **[PC]**, ripetere la procedura a partire dal **passo 1**.

16 Alla fine dell'installazione del driver, comparirà la finestra di dialogo **Riavviare il computer**. Riavviare il computer.

Successivamente sarà necessario configurare il driver.
(-> **Configurazione e verifica** (pag. 167)**)**

Configurazione e verifica

■ Utenti Windows XP/2000/Me

1

Aprire il **Pannello di controllo**.

In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Impostazioni | Pannello di controllo**.

Windows XP

In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Pannello di controllo**.

2

Aprire la finestra **Proprietà - Suoni e multimedia** (o in Windows XP, **Proprietà – Suoni e periferiche audio**).

Windows 2000/Me

Nel **Pannello di controllo**, fare doppio clic sull'icona **Suoni e multimedia** per aprire la finestra "**Proprietà - Suoni e multimedia**".

Windows XP

In "**Scegliere una categoria**", fare clic su "**Suoni, voce e periferiche audio**". Successivamente in "**o un'icona del Pannello di controllo**", fare clic sull'icona **Suoni e periferiche audio**.

3

Fare clic sulla scheda **Audio**.

4

In **Riproduzione musica MIDI**, fare clic su ▼ a destra di **[Periferica preferenziale]** (o in Windows XP, **[Periferica predefinita]**) e selezionare quanto segue nell'elenco visualizzato.

Per una connessione USB	EDIROL SD-20 PART A
Per una connessione seriale	Roland Serial MIDI Out A

5

Fare clic su **OK** per completare le impostazioni.

Consultare le pagine corrispondenti al proprio caso.
Utenti Windows XP ..... (pag. 169)
Utenti Windows Me / 2000 ..... (pag. 170)

MEMO

A seconda di come è stato configurato il sistema, l'icona **Suoni e periferiche audio** potrebbe essere visualizzata subito nel **Pannello di controllo** (visualizzazione classica). In tal caso fare doppio clic sull'icona **Suoni e periferiche audio**.

■ Utenti Windows 98

1

Aprire il **Pannello di controllo**.

In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Impostazioni | Pannello di controllo**.

2

Aprire la finestra di dialogo **Proprietà multimediali**.

Nel **Pannello di controllo**, fare doppio clic sull'icona **Multimedia** per aprire la finestra "**Proprietà multimediali**".

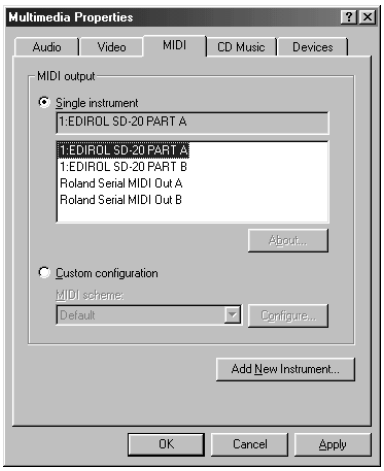
3

Fare clic sulla scheda **MIDI**.

4

Specificare l'**Uscita MIDI**.

Selezionare **[Strumento singolo]** e scegliere una delle opzioni visualizzate.



Per una connessione USB	EDIROL SD-20 PART A
Per una connessione seriale	Roland Serial MIDI Out A

5

Fare clic su **OK** per completare le impostazioni.

Passare alla pagina seguente.
(-> **Verifica dell'audio** (pag. 170)**)**

Attivazione dei servizi in background

In Windows XP, seguire la procedura di configurazione sotto illustrata per rendere più fluida l'elaborazione MIDI. Queste impostazioni non sono disponibili sotto Windows 2000 / Me / 98.

1 In Windows, fare clic sul pulsante **Start** e nel menu selezionare **Pannello di controllo**.

2 In "**Scegliere una categoria**", fare clic su "**Prestazioni e manutenzione**".

3 In "**o un'icona del Pannello di controllo**", fare clic sull'icona **Sistema**.

4 Fare clic sulla scheda **Avanzate**.

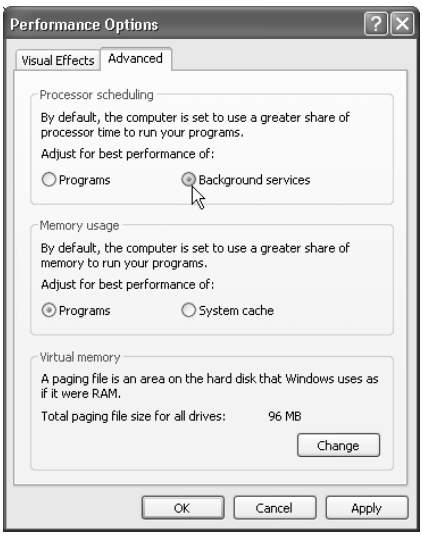
5 A destra del campo Prestazioni fare clic su **[Impostazioni]**. Verrà visualizzata la finestra di dialogo Opzioni prestazioni.

6 Fare clic sulla scheda **Avanzate**.

7 Nell'area **Pianificazione processore** selezionare "**Servizi in background**", e fare clic su **[OK]**.

8 Nella finestra di dialogo Proprietà del sistema fare clic su **[OK]**.

La finestra di dialogo **Proprietà del sistema** si chiude.


Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives: 96 MB
Change
OK
Cancel
Apply

Passare alla pagina seguente.
(-> **Verifica dell'audio** (pag. 170)

Verifica dell'audio

Riprodurre i dati esempio per verificare che l'installazione dei driver e le impostazioni siano corrette.

■ Riproduzione dei dati esempio

Nel nostro caso verranno utilizzate le normali funzionalità Windows per riprodurre i dati esempio. I dati esempio si trovano sul CD-ROM.

1

Preparare il CD-ROM.

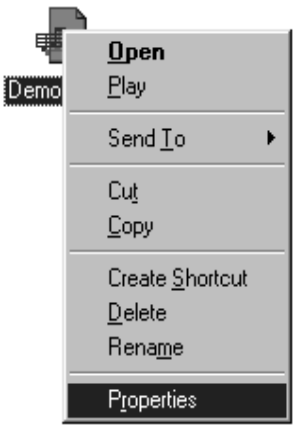
Inserire il CD nell'unità CD-ROM del computer.

2

Nella cartella **DemoSong** del CD-ROM, selezionare e trascinare **Demo01**(.MID) sul desktop per copiarlo.

3

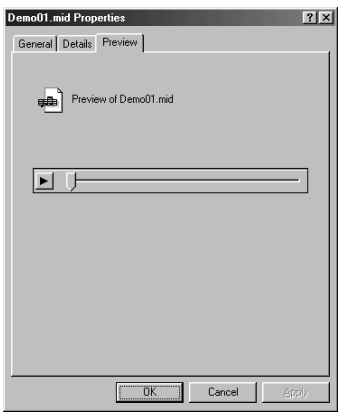
Fare clic con il pulsante destro del mouse sul file copiato **Demo01**(.MID) e selezionare **Proprietà** (**Play** in Windows XP / 2000 / Me).



4

Riprodurre i dati esempio.

Fare clic sulla scheda **Anteprima** e poi sul pulsante ▶ .
Verrà avviata la riproduzione musicale.



I dati esempio sono stati riprodotti?

Se i dati sono stati riprodotti correttamente, il computer e l'SD-20 sono collegati correttamente e anche i driver sono stati installati opportunamente.

MEMO

L'uso dei dati musicali forniti con questo prodotto per scopi diversi dalla riproduzione privata e personale senza autorizzazione del titolare dei diritti di copyright è proibito dalla legge. Inoltre questi dati non possono essere copiati né utilizzati in un lavoro secondario protetto da diritti di copyright senza l'autorizzazione del titolare dei diritti di copyright.

MEMO

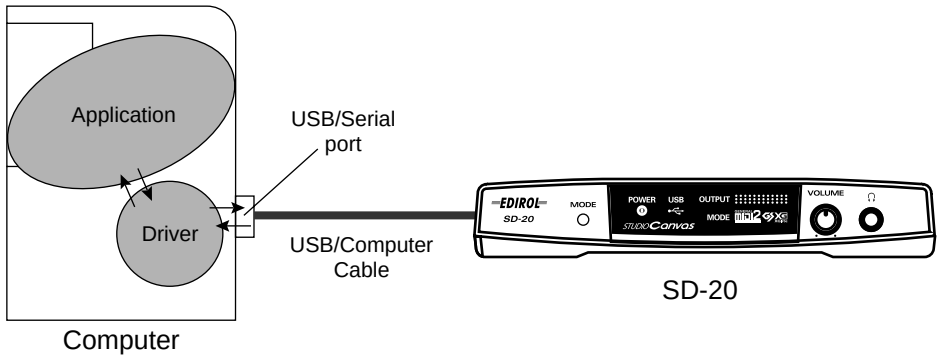
Le finestre effettivamente visualizzate sullo schermo del computer potrebbero essere diverse da quelle illustrate in quanto dipendono dalla configurazione di lavoro e dal sistema operativo utilizzati.

MEMO

Se la riproduzione dei dati non è corretta, fare riferimento alla sezione **Troubleshooting** (pag. 232) per individuare il problema. Questa sezione contiene informazioni su come risolvere alcuni problemi, come la mancanza d'audio o la riproduzione errata.

Collegamenti e installazione dei driver (Macintosh)

Definizione di un driver



Un "driver" è un programma che trasferisce i dati tra l'SD-20 e il programma utilizzato sul computer attraverso un cavo USB. Il driver trasmette i dati dall'applicazione all'SD-20 e viceversa.

L'SD-20 può funzionare utilizzando l'"**alimentazione BUS**" fornita tramite il cavo USB. In questo caso l'adattatore AC in dotazione non è necessario. Tuttavia, se si utilizza un hub USB o se l'alimentazione fornita dal cavo USB è insufficiente, l'SD-20 potrebbe non funzionare correttamente. In questo caso, collegare l'adattatore di alimentazione AC all'SD-20.
Nella fase di installazione del driver, si consiglia comunque di collegare l'adattatore AC all'SD-20 anche se si utilizza l'alimentazione tramite bus.

Tipi di collegamento disponibili

Si potrà utilizzare un cavo USB o il cavo del computer per un collegamento seriale. A seconda del tipo di collegamento, installare il driver appropriato e configurarlo in modo opportuno.

Collegamento USB.....(pag. 172)

Collegamento seriale.....(pag. 180)

Collegamento USB

Per i collegamenti e l'installazione, è necessario disporre dei seguenti elementi. Accertarsi di averli pronti.

- SD-20
- Adattatore AC
- Cavo USB
- CD-ROM

1 Spegnere il Macintosh e tutte le periferiche eventualmente collegate al computer.

2 Impostare l'**interruttore di selezione computer** dell'SD-20 su **USB**.

3 Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.

4 Inserire l'**adattatore AC** in una presa di corrente.

5 Accendere le periferiche collegate al Macintosh, ad eccezione dell'SD-20. Accendere quindi il Macintosh.

* *Per il momento non accendere l'SD-20.*

Se l'SD-20 è acceso, comparirà un messaggio, come quello sotto illustrato, quando viene avviato il Macintosh. Seguire una delle procedure sotto indicate a seconda del messaggio visualizzato.

Se appare il seguente messaggio:

"Driver required for USB device `unknown device' is not available. Search for driver on the Internet?"

->, fare clic su **[Cancel]**.

Se appare il seguente messaggio:

"Software required for using device `unknown device' cannot be found. Please refer to the manual included with the device, and install the necessary software."

-> fare clic su **[OK]**.

Utilizzare come driver MIDI OMS o FreeMIDI.

- Se si utilizza OMS ..... (pag. 173)
- Se si utilizza FreeMIDI ..... (pag. 177)

* *Sul Macintosh deve essere stato installato **OMS** o **FreeMIDI**, a seconda del software sequencer utilizzato.*

■ Installazione del driver SD-20 (OMS)

Seguire la procedura sotto indicata per installare il driver SD-20.
Il **driver SD-20 OMS** è un modulo aggiuntivo che permette di utilizzare l'SD-20 con OMS. Per poterlo utilizzare, **OMS deve essere già stato installato sul disco fisso di avvio**.

Per avere maggiori informazioni sul software OMS, consultare il file **OMS_2.3_Mac.pdf** (manuale in linea) che si trova nella cartella **OMS 2.3.8** all'interno della cartella OMS nel CD-ROM.

* *Scollegare l'SD-20 dal Macintosh prima di eseguire l'installazione.*

1 Chiudere tutti i programmi in corso di esecuzione.

Se si utilizza un programma antivirus o simili, accertarsi che sia anch'esso chiuso.

2 Preparare il CD-ROM.

Inserire il CD-ROM nell'unità CD-ROM.

3 Fare doppio clic sull'icona **SD-20 OMS Driver-E**, che si trova nella cartella **Driver – OMS Driver** del CD-ROM, per avviare il programma d'installazione.

4 Controllare la destinazione dell'installazione e fare clic su **[Install]**.

5 Se appare un messaggio come quello visualizzato, fare clic su **[Continue]**.

Le applicazioni in corso di esecuzione verranno chiuse e l'installazione proseguirà.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6 Verrà visualizzata una finestra di dialogo indicante Installation completed.

Fare clic su **[Restart]** per riavviare il Macintosh.

7 Utilizzare il **cavo USB** per collegare l'**SD-20** al **computer**.

8 Spostare l'interruttore di alimentazione dell'SD-20 in posizione ON.

NOTE

Il driver OMS di questo prodotto necessita di **OMS 2.3.5** o superiore.

MEMO

L'applicazione OMS si trova nella cartella OMS2.3.8 all'interno della cartella OMS del CD-ROM.

MEMO

Per poter aprire il file OMS_2.3_Mac.pdf è necessario Adobe Acrobat Reader. È possibile scaricare l'ultima versione di Adobe Acrobat Reader dal sito web Adobe: http://www.adobe.com (l'indirizzo potrebbe cambiare senza preavviso.)

MEMO

Questo apparecchio è provvisto di un circuito di protezione. È necessario aspettare qualche secondo dopo l'accensione prima che l'apparecchio funzioni normalmente.

Impostazioni OMS

1

Dal CD-ROM, selezionare e trascinare la cartella **Driver – OMS Driver – OMS Settings** sul disco fisso del Macintosh per copiarvela.

2

Nella cartella **Opcode-OMS Application** dove è stato installato OMS, fare doppio clic su **OMS Setup** per avviarlo.

3

Se compare una finestra di dialogo come quella illustrata, fare clic su **[Turn It Off]**. Verrà visualizzata una finestra di dialogo di conferma: fare clic su **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

Appare la finestra di dialogo Create New Setup.

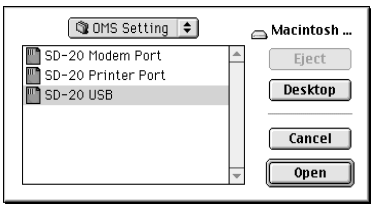
Fare clic su **[Cancel]**. Se si è premuto accidentalmente il pulsante **[OK]**, fare clic su **[Cancel]** nella finestra successiva.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

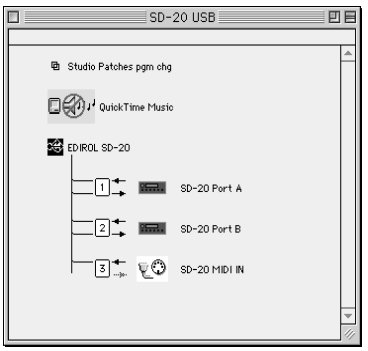
5

Selezionare "**Open**" nel menu File.

Nella cartella **OMS Settings** copiata al **passo 1**, selezionare il file **SD-20 USB** e fare clic su **[Open]**.



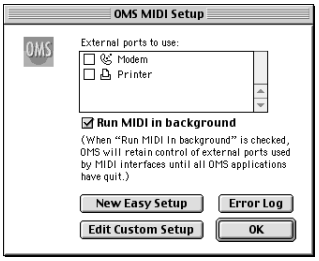
Verrà visualizzata una finestra di dialogo simile a quella visualizzata.



6

Nel menu **Edit** selezionare **OMS MIDI Setup**.

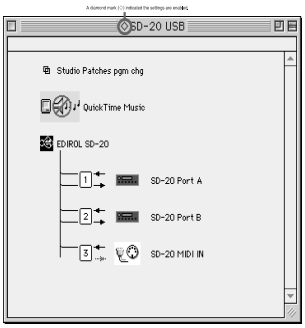
Nella finestra di dialogo **OMS MIDI Setup** visualizzata, selezionare **Run MIDI in background** e fare clic su **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

7

Nel menu **File** selezionare **Make Current**.

Se non è possibile selezionare **Make Current**, vuol dire che è stata già attivata e si può quindi passare all'operazione successiva.



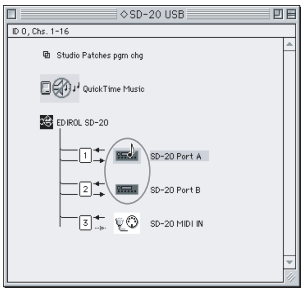
8

Accertarsi che la trasmissione e la ricezione MIDI siano corrette. Nel menu **Studio** selezionare **Test Studio**.

9

Quando il cursore del mouse passa vicino all'icona del generatore di suoni, il cursore assumerà la forma di una nota ♪.

Fare clic sulle icone del generatore di suoni evidenziate nella figura che segue. Se l'SD-20 emette dei suoni, le impostazioni sono corrette. Se i segnali MIDI non vengono trasmessi, il Macintosh emetterà un segnale di avvertimento.



L’indicatore di livello OUTPUT dell’SD-20 si sposta?

Se l’indicatore di livello OUTPUT nel display dell’SD-20 si sposta ma non viene emesso alcun suono, controllare se il volume dell’SD-20 o degli altoparlanti è al minimo. Se l’indicatore di livello OUTPUT non si sposta, ricontrollare i collegamenti e le impostazioni OMS.
Dopo aver apportato le modifiche necessarie, selezionare di nuovo **Test** nel menu **Studio** e seguire la procedura illustrata al **passo 9**.

MEMO

Se l’SD-20 non emette alcun suono, fare riferimento alla sezione **No sound** (pag. 237).

10 Chiudere OMS Setup.

Nel menu **File** selezionare **[Exit]**. Se appare la finestra di dialogo di conferma **AppleTalk confirmation**, fare clic su **[OK]** per chiuderla.

La procedura per collegare l’SD-20 e il Macintosh ed eseguire l’installazione del driver MIDI è giunta al termine. I dati MIDi potranno quindi essere registrati e riprodotti.

■ Installazione del driver SD-20 (FreeMIDI)

Seguire la procedura sotto indicata per installare il driver SD-20. Il **driver SD-20 FreeMIDI** in dotazione è un modulo aggiuntivo che permette di utilizzare l'SD-20 con FreeMIDI. Per poterlo utilizzare, **FreeMIDI deve essere già stato installato sul disco fisso di avvio**.

* *Scollegare l'SD-20 dal Macintosh prima di eseguire l'installazione.*

1

Chiudere tutti i programmi in corso di esecuzione.

Se si utilizza un programma antivirus o simili, accertarsi che sia anch'esso chiuso.

2

Preparare il CD-ROM.
Inserire il CD-ROM nell'unità CD-ROM.

3

Fare doppio clic sull'icona **SD-20 USB Installer**, che si trova nella cartella **Driver – FreeMIDI - USB Connection** del CD-ROM, per avviare il programma d'installazione.

4

Controllare la destinazione dell'installazione e fare clic su **[Install]**.

5

Se appare un messaggio come quello visualizzato, fare clic su **[Continue]**.

Le applicazioni in corso di esecuzione verranno chiuse e l'installazione proseguirà.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6

Verrà visualizzata una finestra di dialogo indicante Installation completed. Fare clic su **[Restart]** per riavviare il Macintosh.

7

Utilizzare il **cavo USB** per collegare l'**SD-20** al **computer**.

8

Spostare l'interruttore di alimentazione dell'SD-20 su ON.

MEMO

Questo apparecchio è provvisto di un circuito di protezione. È necessario aspettare qualche secondo dopo l'accensione prima che l'apparecchio funzioni normalmente.

Impostazioni FreeMIDI

1 Dal CD-ROM, copiare la cartella **Driver– FreeMIDI Driver - Settings** sul disco fisso del Macintosh.

2 Aprire la cartella FreeMIDI Applications dove è stata eseguita l'installazione FreeMIDI e fare doppio clic sull'icona **FreeMIDI Setup** per avviare l'applicazione.

3 Quando appare il messaggio "**OMS is installed on this computer...**", fare clic su **[FreeMIDI]**.

4 Al primo avvio di FreeMIDI, comparirà la finestra di dialogo "**Welcome to FreeMIDI!**". Fare clic su **[Continue]**.

5 Nella finestra di dialogo **FreeMIDI Preferences**, fare clic su **[Cancel]**.

6 Nella finestra di dialogo **About Quick Setup**, fare clic su **[Cancel]**.

7 Nel menu **File** selezionare **Open**.

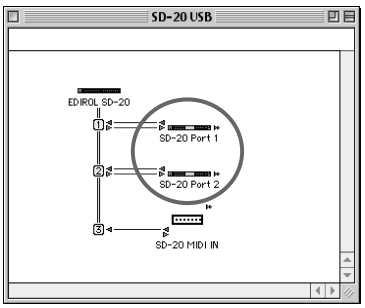
8 Selezionare **SD-20 USB** nella cartella **FreeMIDI Settings** copiata al **passo 1** e fare clic su **[Open]**.

9 Controllare che l'invio e la ricezione MIDI siano corrette.

Nel menu **MIDI** selezionare **Check Connections**.

10 Il cursore del mouse assumerà la forma di una nota. Fare clic sulle icone del generatore di suoni evidenziate nella figura a destra.

Se l'audio viene emesso, vuol dire che i messaggi MIDI sono inviati dal Macintosh all'SD-20.



MEMO

Se l'SD-20 non emette alcun suono, fare riferimento alla sezione **No sound** (pag. 237).

L’indicatore di livello OUTPUT dell’SD-20 si sposta?

Se l’indicatore di livello OUTPUT nel display dell’SD-20 si sposta ma non viene emesso alcun suono, controllare se il volume dell’SD-20 o degli altoparlanti è al minimo. Se l’indicatore di livello OUTPUT non si sposta, ricontrollare i collegamenti e le impostazioni OMS.
Dopo aver apportato le modifiche necessarie, selezionare di nuovo **Test** nel menu **Studio** e seguire la procedura illustrata al **passo 10**.

11 Scegliere di nuovo il comando **Check Connections** del menu **MIDI** e terminare il test.

12 Nel menu **File**, scegliere Quit per uscire da **FreeMIDI Setup**.

La procedura per collegare l’SD-20 e il Macintosh ed eseguire l’installazione del driver MIDI è giunta al termine. I dati MIDi potranno quindi essere registrati e riprodotti.

Collegamento seriale

Per i collegamenti e l'installazione, è necessario disporre dei seguenti elementi. Accertarsi di averli pronti.

- SD-20
- Adattatore AC
- Cavo del computer
- CD-ROM

1 Spegnere il Macintosh e tutte le periferiche eventualmente collegate al computer.

2 Impostare l'**interruttore di selezione computer** dell'SD-20 su **MAC**.

3 Tramite un cavo da computer collegare la **porta del modem** o quella della **stampante** del Macintosh all'SD-20.

4 Dopo aver spostato l'**interruttore di alimentazione dell'SD-20 su OFF**, collegare l'**adattatore AC**.

5 Inserire l'**adattatore AC** in una presa di corrente.

6 Accendere l'SD-20 e il Macintosh.

MEMO

Questo apparecchio è provvisto di un circuito di protezione. È necessario aspettare qualche secondo dopo l'accensione prima che l'apparecchio funzioni normalmente.

■ Installazione del driver SD-20 (OMS)

Seguire la procedura sotto indicata per installare il driver SD-20.
Il **driver SD-20 OMS** è un modulo aggiuntivo che permette di utilizzare l'SD-20 con OMS. Per poterlo utilizzare, **OMS deve essere già stato installato sul disco fisso di avvio**.

Per avere maggiori informazioni sul software OMS, consultare il file **OMS_2.3_Mac.pdf** (manuale in linea) che si trova nella cartella **OMS 2.3.8** all'interno della cartella OMS nel CD-ROM.

1

Chiudere tutti i programmi in corso di esecuzione.

Se si utilizza un programma antivirus o simili, accertarsi che sia anch'esso chiuso.

2

Preparare il CD-ROM.

Inserire il CD-ROM nell'unità CD-ROM.

3

Fare doppio clic sull'icona **SD-20 Serial Installer**, che si trova nella cartella **Driver – OMS Driver** del CD-ROM, per avviare il programma d'installazione.

4

Controllare la destinazione dell'installazione e fare clic su **[Install]**.

5

Se appare un messaggio come quello visualizzato, fare clic su **[Continue]**.

Le applicazioni in corso di esecuzione verranno chiuse e l'installazione proseguirà.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6

Verrà visualizzata una finestra di dialogo indicante Installation completed.

Fare clic su **[Restart]** per riavviare il Macintosh.

NOTE

Il driver OMS di questo prodotto necessita di **OMS 2.3.5** o superiore.

MEMO

L'applicazione OMS si trova nella cartella OMS2.3.8 all'interno della cartella OMS del CD-ROM.

MEMO

Per poter aprire il file OMS_2.3_Mac.pdf è necessario Adobe Acrobat Reader. È possibile scaricare l'ultima versione di Adobe Acrobat Reader dal sito web Adobe: http://www.adobe.com (l'indirizzo potrebbe cambiare senza preavviso.)

Impostazioni OMS

1

Dal CD-ROM, selezionare e trascinare la cartella **Driver – OMS Driver – OMS Settings** sul disco fisso del Macintosh per copiarvela.

2

Nella cartella **Opcode-OMS Application** dove è stato installato OMS, fare doppio clic su **OMS Setup** per avviarlo.

3

Se compare una finestra di dialogo come quella illustrata, fare clic su **[Turn It Off]**. Verrà visualizzata una finestra di dialogo di conferma; fare clic su **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

Appare la finestra di dialogo Create New Setup.

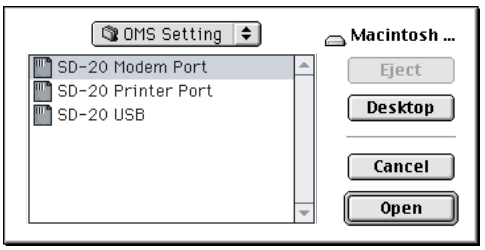
Fare clic su **[Cancel]**. Se si è premuto accidentalmente il pulsante **[OK]**, fare clic su **[Cancel]** nella finestra successiva.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

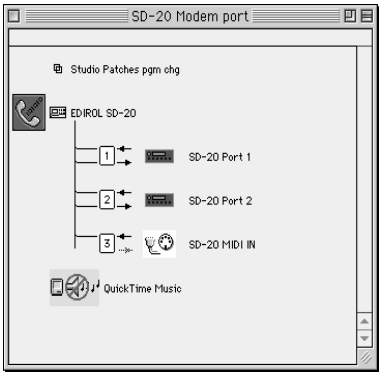
5

Selezionare "**Open**" nel menu File.

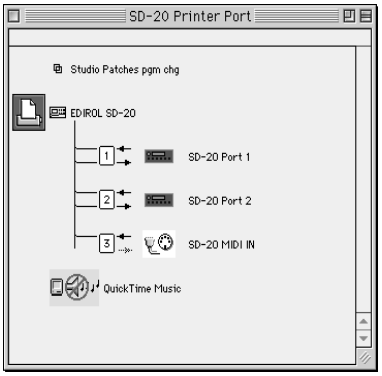
Aprire la cartella **OMS Settings** copiata al **passo 1**, selezionare il file corrispondente al nome della porta cui è collegato l'SD-20 e fare clic su **[Open]**.



Verrà visualizzata una finestra di dialogo simile a quella visualizzata.



Opening the SD-20 Modem Port file

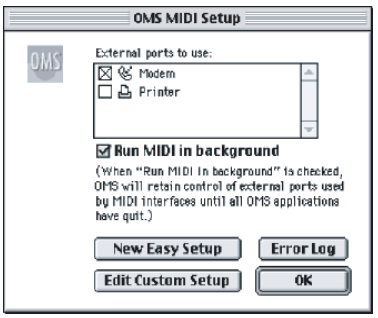


Opening the SD-20 Printer Port file

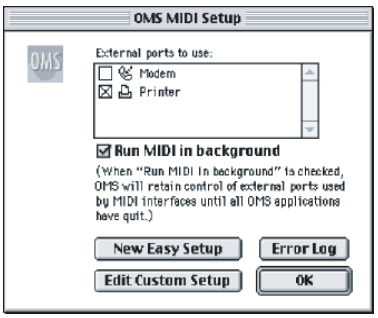
6

Nel menu **Edit** selezionare **OMS MIDI Setup**.

Nella finestra di dialogo **OMS MIDI Setup** visualizzata, selezionare **Run MIDI in background** e fare clic su **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Modem Port file


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Printer Port file

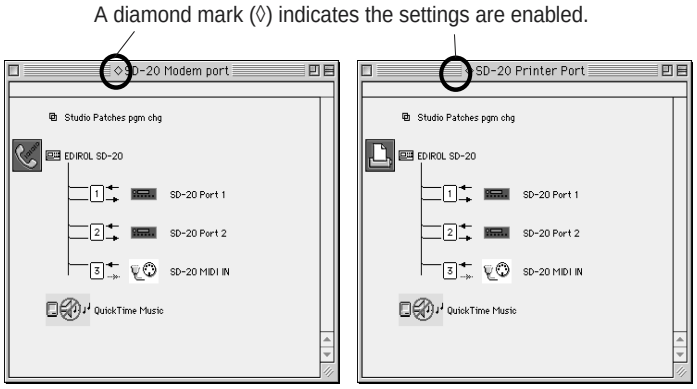
MEMO

Se il collegamento viene effettuato su una porta modem / stampante come su PowerBooks, selezionare il file "SD-20 Modem Port".

7

Nel menu **File** selezionare **Make Current**.

Se non è possibile selezionare **Make Current**, vuol dire che è stata già attivata e si può quindi passare all'operazione successiva.



Opening the SD-20 Modem Port file

Opening the SD-20 Printer Port file

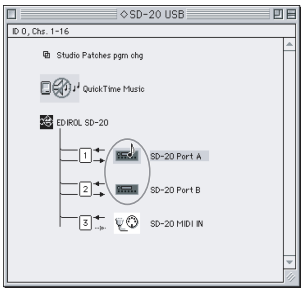
8

Accertarsi che la trasmissione e la ricezione MIDI siano corrette. Nel menu **Studio** selezionare **Test Studio**.

9

Quando il cursore del mouse passa vicino all'icona del generatore di suoni, il cursore assumerà la forma di una nota ♪.

Fare clic sulle icone del generatore di suoni evidenziate nella figura che segue. Se l'SD-20 emette dei suoni, le impostazioni sono corrette. Se i segnali MIDI non vengono trasmessi, il Macintosh emetterà un segnale di avvertimento.



L’indicatore di livello OUTPUT dell’SD-20 si sposta?

Se l’indicatore di livello OUTPUT nel display dell’SD-20 si sposta ma non viene emesso alcun suono, controllare se il volume dell’SD-20 o degli altoparlanti è al minimo. Se l’indicatore di livello OUTPUT non si sposta, ricontrollare i collegamenti e le impostazioni OMS.
Dopo aver apportato le modifiche necessarie, selezionare di nuovo **Test** nel menu **Studio** e seguire la procedura illustrata al **passo 9**.

MEMO

Se l’SD-20 non emette alcun suono, fare riferimento alla sezione **No sound** (pag. 237).

10 Chiudere OMS Setup.

Nel menu **File** selezionare **[Exit]**. Se appare la finestra di dialogo di conferma **AppleTalk confirmation**, fare clic su **[OK]** per chiuderla.

La procedura per collegare l’SD-20 e il Macintosh ed eseguire l’installazione del driver MIDI è giunta al termine. I dati MIDI potranno quindi essere registrati e riprodotti.

■ Installazione del driver SD-20 (FreeMIDI)

Seguire la procedura sotto indicata per installare il driver SD-20. Il **driver SD-20 FreeMIDI** in dotazione è un modulo aggiuntivo che permette di utilizzare l'SD-20 con FreeMIDI. Per poterlo utilizzare, **FreeMIDI deve essere già stato installato sul disco fisso di avvio**.

1

Chiudere tutti i programmi in corso di esecuzione.

Se si utilizza un programma antivirus o simili, accertarsi che sia anch'esso chiuso.

2

Preparare il CD-ROM.

Inserire il CD-ROM nell'unità CD-ROM.

3

Fare doppio clic sull'icona **SD-20 Serial Installer**, che si trova nella cartella **Driver – FreeMIDI Driver** - **Serial Connection** del CD-ROM, per avviare il programma d'installazione.

4

Fare clic su **[Install]**.

5

Verrà visualizzata una finestra di dialogo che richiede di riavviare il Macintosh alla fine dell'installazione. Fare clic su **[Continue]**.

6

Alla fine dell'installazione, fare clic su **[Restart]**.

Impostazioni FreeMIDI

1

Dal CD-ROM, copiare la cartella **Driver - FreeMIDI Driver - Settings** sul disco fisso del Macintosh.

2

Aprire la cartella FreeMIDI Applications dove è stata eseguita l'installazione FreeMIDI e fare doppio clic sull'icona **FreeMIDI Setup** per avviare l'applicazione.

3

Quando appare il messaggio "**OMS is installed on this computer...**", fare clic su **[FreeMIDI]**.

4

Al primo avvio di FreeMIDI, comparirà la finestra di dialogo "**Welcome to FreeMIDI!**". Fare clic su **[Continue]**.

5

Nella finestra di dialogo **FreeMIDI Preferences**, fare clic su **[Cancel]**.

6

Nella finestra di dialogo **About Quick Setup**, fare clic su **[Cancel]**.

7

Nel menu **File** selezionare **Open**.

Aprire la cartella **FreeMIDI Settings** copiata al **passo 1**, selezionare il file corrispondente al nome della porta cui è collegato l'SD-20 e fare clic su **[Open]**.

8

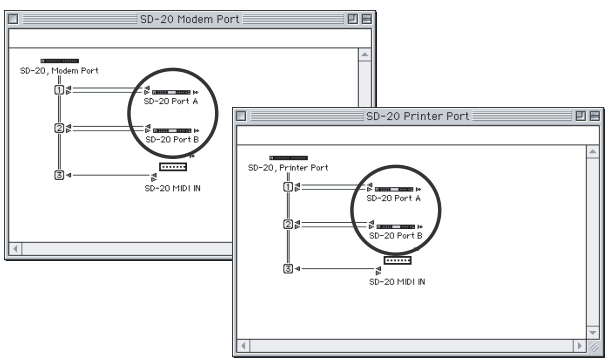
Controllare che l'invio e la ricezione MIDI siano corrette.

Nel menu **MIDI** selezionare **Check Connections**.

9

Il cursore del mouse assumerà la forma di una nota. Fare clic sulle icone del generatore di suoni evidenziate nella figura a destra.

Se l'audio viene emesso, vuol dire che i messaggi MIDI sono inviati dal Macintosh all'SD-20.



L’indicatore di livello OUTPUT dell’SD-20 si sposta?

Se l’indicatore di livello OUTPUT nel display dell’SD-20 si sposta ma non viene emesso alcun suono, controllare se il volume dell’SD-20 o degli altoparlanti è al minimo. Se l’indicatore di livello OUTPUT non si sposta, ricontrollare i collegamenti e le impostazioni OMS.
Dopo aver apportato le modifiche necessarie, selezionare di nuovo **Test** nel menu **Studio** e seguire la procedura illustrata al **passo 9**.

MEMO

Se l’SD-20 non emette alcun suono, fare riferimento alla sezione **No sound** (pag. 237).

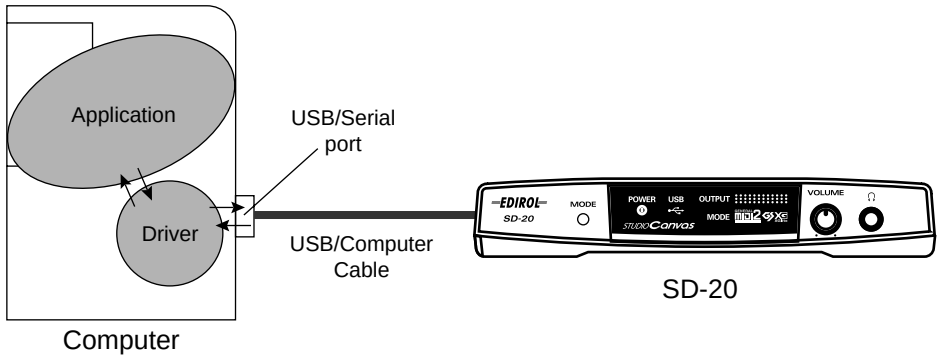
10 Scegliere di nuovo il comando **Check Connections**del menu **MIDI** e terminare il test.

11 Nel menu **File**, scegliere Quit per uscire da **FreeMIDI Setup**.

La procedura per collegare l’SD-20 e il Macintosh ed eseguire l’installazione del driver MIDI è giunta al termine. I dati MIDI potranno quindi essere registrati e riprodotti.

Conexión e instalación de los controladores (Windows)

¿Qué es un controlador?



Un “controlador” es software que transfiere datos entre el SD-20 y el software de aplicación que esté ejecutando en su sistema, cuando su PC y el SD-20 están conectados por un cable USB. El controlador pasa los datos de la aplicación al SD-20 y del SD-20 a la aplicación.

El SD-20 puede funcionar con la “**alimentación por bus**” suministrada a través del cable USB. Entonces el adaptador de corriente alterna resulta innecesario. Sin embargo, si se utiliza un concentrador USB o no puede suministrarse suficiente alimentación a través de USB, puede que el SD-20 no funcione correctamente. En este caso, conecte el adaptador de corriente alterna proporcionado al SD-20.
Cuando instale el controlador, debe conectar el adaptador de corriente alterna y disponer el interruptor POWER en ON.

¿Qué tipos de conexión puede utilizar?

Puede utilizar tanto un cable USB como un cable de PC para realizar la conexión en serie. Instale el controlador apropiado y efectúe las configuraciones pertinentes en función del tipo de conexión que utilice.

Conexión USB.....(pág. 190)

Conexión en serie.....(pág. 201)

Conexión USB

Para la conexión e instalación, necesita los siguiente aparatos. Tenga los siguientes dispositivos preparados.

- SD-20
- Adaptador de CA
- Cable USB
- CD-ROM

El procedimiento de instalación variará en función del sistema.
Continúe con uno de los siguientes pasos en función del sistema que utilice.

- Usuarios de Windows XP..... (pág. 190)
- Usuarios de Windows 2000..... (pág. 195)
- Usuarios de Windows Me / 98..... (pág. 199)

■ Usuarios de Windows XP

1

Con el SD-20 desconectado, inicie Windows.

Desconecte todos los cables USB excepto el del teclado USB y el ratón USB (si se utilizan).

2

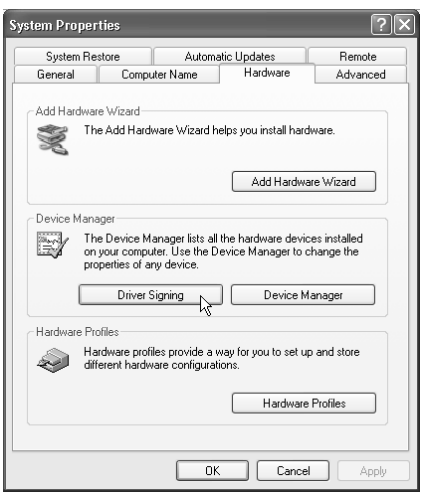
Abra el cuadro de diálogo **Propiedades del sistema**.

1. Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Panel de control**.
2. En "**Elegir una categoría**", haga clic en "**Rendimiento y mantenimiento**".
3. En "**o elegir un icono del Panel de control**", haga clic en el icono **Sistema**.

3

Abra el cuadro de diálogo **Opciones de firma del controlador**.

Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**.



NOTE

Si utiliza Windows XP Professional, debe iniciar la sesión utilizando un nombre de usuario con algún tipo de cuenta administrativa (por ejemplo, Administrador). Para obtener más información sobre las cuentas de usuario, consulte el administrador del sistema de su PC.

MEMO

En función de cómo esté configurado el PC, puede que el icono **Sistema** aparezca directamente en el **Panel de control** (en la Vista clásica). En este caso, haga doble clic en el icono Sistema.

4

Asegúrese de que "**¿Que acción desea que realice Windows?**" esté establecido en "**Ignorar**".

Si está establecido en "**Ignorar**", sólo tiene que hacer clic en **[Aceptar]**.
Si no está establecido en "**Ignorar**", anótese la configuración actual ("Advertir" o "Bloquear"). A continuación, cambie la configuración a "**Ignorar**" y haga clic en **[Aceptar]**.

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

5

Cierre el cuadro de diálogo **Propiedades del sistema**.

Haga clic en **[Aceptar]**.

6

Salga de todo el software que se esté ejecutando (aplicaciones).

Cierre cualquier ventana que esté abierta. Si utiliza software como programas antivirus, debe cerrarlo también.

7

Prepare el CD-ROM.

Inserte el CD-ROM en la unidad de CD-ROM del PC.

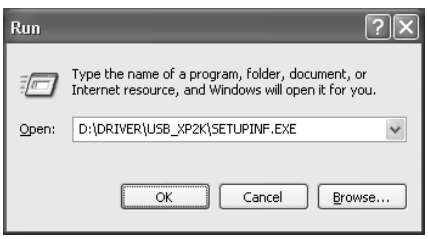
8

Abra el cuadro de diálogo "**Ejecutar...**".

Haga clic en el botón **Inicio** de Windows. En el menú que aparece, seleccione "**Ejecutar...**".

9

En el cuadro de diálogo que aparece, escriba lo siguiente en el campo "**Abrir**" y haga clic en **[Aceptar]**.



D:\DRIVER\USB_XP2K\SETUPINF.EXE

* *El nombre de la unidad "**D:**" puede ser diferente para su sistema. Especifique el nombre de la unidad de su CD-ROM.*

MEMO

Si ha modificado la configuración de "**¿Qué acción desea que realice Windows?**" en el paso 4, debe restaurar la configuración previa una vez haya instalado el controlador. (->**Si modificó "¿Qué acción desea que realice Windows?"** (pág. 194))

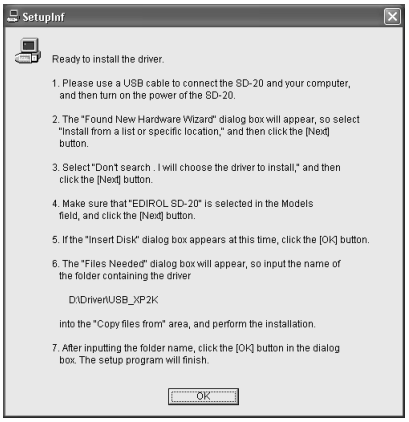
MEMO

En este manual, la ubicación de las carpetas y archivos se da en términos de la ruta del archivo y se utiliza **** como delimitador. Por ejemplo, **USB_XP2K\SETUPINF.EXE** se refiere al archivo **SETUPINF.EXE** que se encuentra en la carpeta **USB_XP2K**.

10 Aparecerá el cuadro de diálogo **SetupInf**.

Ahora ya está preparado para instalar el controlador.

* *No haga clic en **[Aceptar]** todavía.*


SetupInf
Ready to install the driver.
1. Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
2. The "Found New Hardware Wizard" dialog box will appear, so select "Install from a list or specific location," and then click the [Next] button.
3. Select "Don't search . I will choose the driver to install," and then click the [Next] button.
4. Make sure that "EDIROL SD-20" is selected in the Models field, and click the [Next] button.
5. If the "Insert Disk" dialog box appears at this time, click the [OK] button.
6. The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
D:\Driver\USB_XP2K
into the "Copy files from" area, and perform the installation.
7. After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

11 Conecte el SD-20.

1. Disponga el **interruptor de sistema** del SD-20 en **USB**.
2. Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.
3. Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.
4. Utilice el **cable USB** para conectar el **SD-20** al **PC**.

12 Establezca el interruptor de alimentación del SD-20 en la posición ON.

Cerca de la barra de tareas, el PC indicará "**Hardware nuevo encontrado**". Espere un momento.

MEMO

Si aparece el mensaje "**El controlador ya está instalado**", ya puede conectar el SD-20 a su PC y utilizarlo.

NOTE

Incluso si tiene la intención de utilizar normalmente el SD-20 con la alimentación por bus, utilice el adaptador de corriente alterna mientras instala el controlador y efectúe las configuraciones pertinentes.

MEMO

Esta unidad viene equipada con un circuito de protección. Para que la unidad funcione correctamente, es necesario dejar pasar un pequeño intervalo de unos segundos después de encenderla.

Si, en el paso 4, la configuración de "**¿Qué acción desea que realice Windows?**" no se estableció en "Ignorar", aparecerá el cuadro de diálogo "No se ha encontrado la firma digital".

Si "¿Qué acción desea que realice Windows?" está establecido en "Advertir":

1. Haga clic en **[Continuar de todos modos]**.
2. Continúe con la instalación.

Hardware Installation
The software you are installing for this hardware:
EDIROL SD-20
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Si "¿Qué acción desea que realice Windows?" está establecido en "Bloquear":

1. Haga clic en **[Aceptar]**.
2. Cuando aparezca "**Asistente para hardware nuevo encontrado**", haga clic en **[Finalizar]**.
3. Efectúe la instalación como se describe en el apartado "**Resolución de problemas**" de **Device Manager shows "?", "!", or "USB Composite Device"** (pág. 235).

13 Aparecerá el asistente para **Hardware nuevo encontrado**.

Asegúrese de que la pantalla indique "**EDIROL SD-20**", seleccione "**Instalar desde una lista o una ubicación específica (Avanzada)**" y haga clic en **[Siguiente]**.

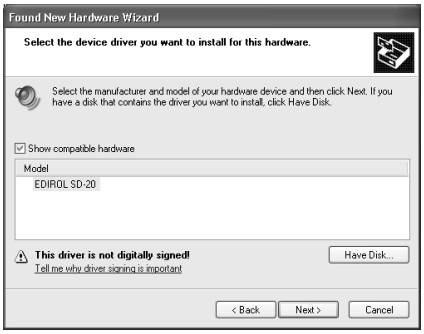
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
EDIROL SD-20
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

14 La pantalla indicará "**Elija sus opciones de búsqueda e instalación**".

Seleccione "**No buscar. Seleccionaré el controlador para instalar**" y haga clic en **[Siguiente]**.

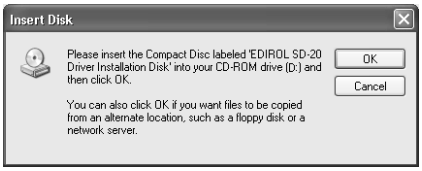
Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

15 Asegúrese de que el campo "**Modelo**" indique "**EDIROL SD-20**" y haga clic en **[Siguiente]**. Entonces empezará la instalación del controlador.


Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
EDIROL SD-20
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

16 Aparecerá el cuadro de diálogo **Insertar disco**.

Haga clic en **[Aceptar]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (D:) and then click OK.
OK
Cancel
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.

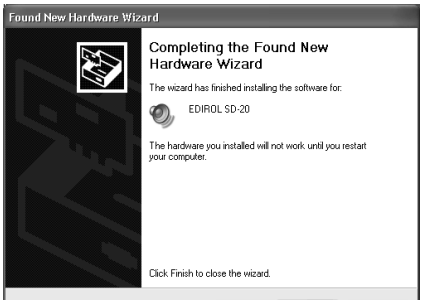
17 Aparecerá el cuadro de diálogo **Archivos necesarios**.

En el área "**Copiar archivos de**", escriba "**D:\DRIVER\USB_XP2K**" y haga clic en **[Aceptar]**.

Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

18 Aparecerá el asistente para **Hardware nuevo encontrado**.

Asegúrese de que la pantalla indique "**EDIROL SD-20**", y haga clic en **[Finalizar]**.
Espere hasta que se indique "**Hardware nuevo encontrado**" cerca de la barra de tareas.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
EDIROL SD-20
The hardware you installed will not work until you restart your computer.
Click Finish to close the wizard.

19 Reinicie Windows.

Una vez finalizada la instalación del controlador, aparecerá el cuadro de diálogo **Cambio de configuración del sistema**. Haga clic en **[Sí]**.

Si modificó "¿Qué acción desea que realice Windows?"

Si modificó la configuración de **¿Qué acción desea que realice Windows?** en el paso 5, restaure la configuración original después de que Windows se reinicie.

1. Si utiliza Windows XP Professional, debe iniciar la sesión de Windows utilizando un nombre de usuario con cuenta administrativa (por ejemplo, Administrador).
2. Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Panel de control**.
3. En "**Elegir una categoría**", haga clic en "**Rendimiento y mantenimiento**".
4. En "**o elegir un icono del Panel de control**", haga clic en el icono **Sistema**. Aparecerá el cuadro de diálogo Propiedades del sistema.
5. Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**. Aparecerá el cuadro de diálogo **Opciones de firma del controlador**.
6. Restablezca la configuración de **¿Qué acción desea que realice Windows?** a la configuración original ("Advertir" o "Bloquear") y haga clic en **[Aceptar]**.
7. Haga clic en **[Aceptar]**. Se cerrará el cuadro de diálogo **Propiedades del sistema**.

A continuación, debe configurar el controlador.
(-> **Configuración y comprobación** (pág. 212))

■ Usuarios de Windows 2000

1

Con el SD-20 desconectado, inicie Windows.

Desconecte todos los cables USB excepto el del teclado USB y el ratón USB (si se utilizan).

2

Inicie Windows como **usuario con privilegios administrativos** (por ejemplo, Administrador).

3

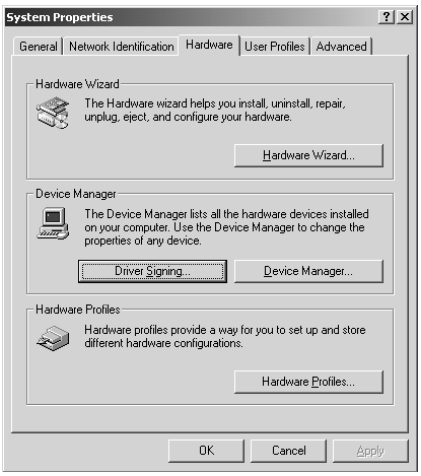
Abra el cuadro de diálogo **Propiedades del sistema**.

Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Configuración | Panel de control**. En **Panel de control**, haga doble clic en el icono **Sistema**.

4

Abra el cuadro de diálogo **Opciones de firma del controlador**.

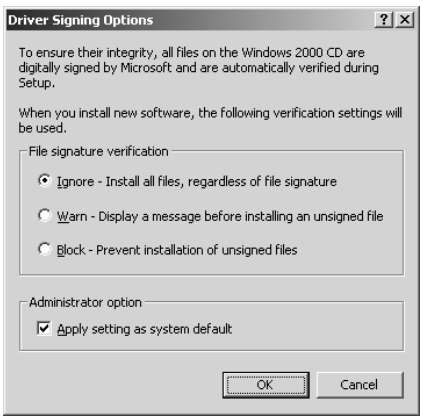
Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

5

Asegúrese de que "**Verificación de la firma del archivo**" esté establecido en "**Ignorar**".

Si está establecido en "**Ignorar**", sólo tiene que hacer clic en **[Aceptar]**.
Si no está establecido en "**Ignorar**", anótese la configuración actual ("Advertir" o "Bloquear"). A continuación, cambie la configuración a "**Ignorar**" y haga clic en **[Aceptar]**.


Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

MEMO

Si modificó la configuración de "Verificación de la firma del archivo" en el paso 5, restaure la configuración original después de que se reinicie Windows. (->**Si modificó "Verificación de la firma del archivo"** (pág. 198))

6

Cierre el cuadro de diálogo **Propiedades del sistema**.

Haga clic en **[Aceptar]**.

7

Salga de todo el software que se esté ejecutando (aplicaciones).

Cierre cualquier ventana que esté abierta. Si utiliza software como programas antivirus, también debe cerrarlo.

8

Prepare el CD-ROM.

Inserte el CD-ROM en la unidad de CD-ROM del PC.

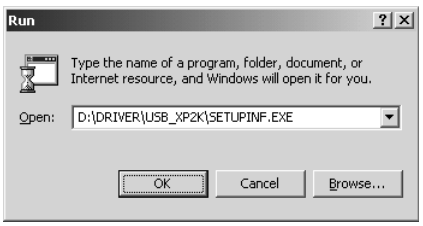
9

Abra el cuadro de diálogo "**Ejecutar...**".

Haga clic en el botón **Inicio** de Windows. En el menú que aparece, seleccione "**Ejecutar...**".

10

En el cuadro de diálogo que aparece, escriba lo siguiente en el campo "**Abrir**" y haga clic en **[Aceptar]**.



D:\DRIVER\USB_XP2K\SETUPINF.EXE

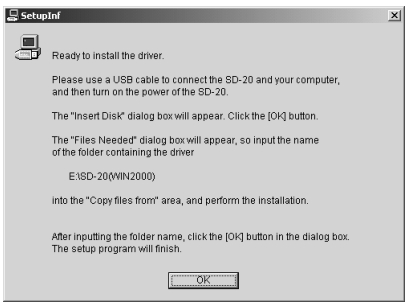
* *El nombre de la unidad "**D:**" puede ser diferente para su sistema. Especifique el nombre de la unidad de su CD-ROM.*

11

Aparece el cuadro de diálogo **SETUPINF**.

Ahora ya está preparado para instalar el controlador.

* *No haga clic en **[Aceptar]** todavía.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
The "Insert Disk" dialog box will appear. Click the [OK] button.
The "Files Needed" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20\WIN2000
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

MEMO

En este manual, la ubicación de las carpetas y archivos se da en términos de la ruta del archivo y se utiliza **** como delimitador. Por ejemplo, **USB_XP2K\SETUPINF.EXE** se refiere al archivo **SETUPINF.EXE** que se encuentra en la carpeta **USB_XP2K**.

12
Conecte el SD-20.

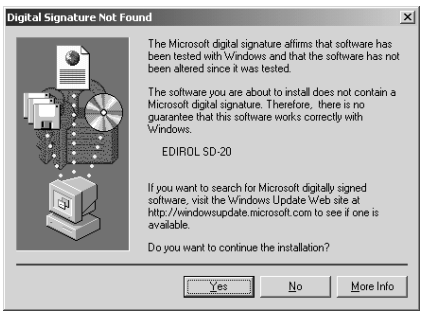
1. Disponga el **interruptor de sistema** del SD-20 en **USB**.
2. Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.
3. Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.
4. Utilice el **cable USB** para conectar el **SD-20** al **PC**.

13
Establezca el **interruptor de alimentación** del SD-20 en la posición **ON**.

Si en el **paso 5** la configuración de "**Verificación de la firma del archivo**" no se estableció en "**Ignorar**", aparecerá el cuadro de diálogo "**No se ha encontrado la firma digital**".

Si "Verificación de la firma del archivo" está establecido en "Advertir":

1. Haga clic en **[Sí]**.
2. Continúe con la instalación.

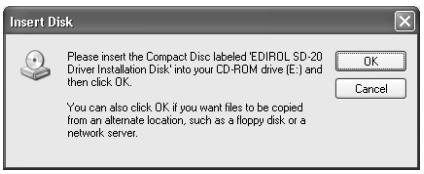

Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
EDIROL SD-20
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

Si "Verificación de la firma del archivo" está establecido en "Bloquear":

1. Haga clic en **[Aceptar]**.
2. Cuando aparezca el "**Asistente para detectar hardware nuevo**", haga clic en **[Finalizar]**.
3. Efectúe la instalación como se describe en el apartado "**Resolución de problemas**" de **Device Manager shows "?", "!", or "USB Composite Device"** (pág. 235).

14
Aparecerá el cuadro de diálogo **Insertar disco**.

Haga clic en **[Aceptar]**.


Insert Disk
Please insert the Compact Disc labeled 'EDIROL SD-20 Driver Installation Disk' into your CD-ROM drive (E:) and then click OK.
You can also click OK if you want files to be copied from an alternate location, such as a floppy disk or a network server.
OK
Cancel

NOTE

Incluso si tiene la intención de utilizar normalmente el SD-20 con la alimentación por bus, utilice el adaptador de corriente alterna mientras instala el controlador y efectúe las configuraciones pertinentes.

MEMO

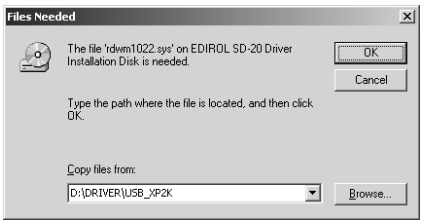
Esta unidad viene equipada con un circuito de protección. Para que la unidad funcione correctamente, es necesario dejar pasar un pequeño intervalo de unos segundos después de encenderla.

NOTE

Si no aparece el cuadro de diálogo Insertar disco, lea el apartado **The "Insert Disk" dialog box does not appear** (pág. 235))

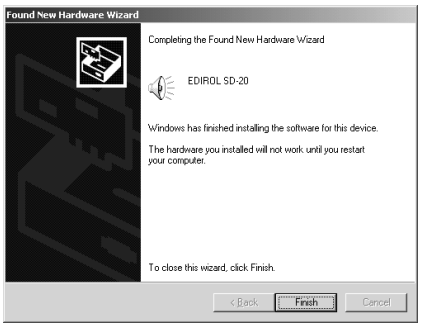
15 Aparecerá el cuadro de diálogo **Archivos necesarios**.

En el área "**Copiar archivos de**", escriba "**D:\DRIVER\USB_XP2K**" y haga clic en **[Aceptar]**.


Files Needed
The file 'rdwm1022.sys' on EDIROL SD-20 Driver Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
D:\DRIVER\USB_XP2K
Browse...

16 Es posible que se indique **"Asistente para agregar hardware nuevo encontrado"**.

Compruebe que "**EDIROL SD-20**" aparezca en pantalla y haga clic en **[Finalizar]**.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
EDIROL SD-20
Windows has finished installing the software for this device.
The hardware you installed will not work until you restart your computer.
To close this wizard, click Finish.
< Back
Finish
Cancel

17 Reinicie Windows.

Puede que aparezca el cuadro de diálogo **Cambio de configuración del sistema**. Haga clic en **[Sí]**. Windows se reiniciará automáticamente.

Si modificó "Verificación de la firma del archivo"

Si modificó la configuración de "Verificación de la firma del archivo" en el paso 5, restaure la configuración original después de que se reinicie Windows.

1. Una vez que Windows se haya reiniciado, inicie la sesión en Windows como usuario con **privilegios administrativos** (por ejemplo, Administrador).
2. En el escritorio de Windows, haga clic con el botón secundario en el icono **Mi PC** y, en el menú que aparece, seleccione **Propiedades**. Aparecerá el cuadro de diálogo **Propiedades del sistema**.
3. Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**. Aparecerá el cuadro de diálogo **Opciones de firma del controlador**.
4. Restablezca la configuración original de **"Verificación de firma del controlador"** (ya sea **"Advertir"** o "**Bloquear**") y haga clic en **[Aceptar]**.
5. Haga clic en **[Aceptar]**. Se cerrará el cuadro de diálogo **Propiedades del sistema**.

A continuación, debe configurar el controlador.
(-> **Configuración y comprobación** (pág. 212)

■ Usuarios de Windows Me/98

1

Con el SD-20 desconectado, inicie Windows.

Desconecte todos los cables USB excepto el del teclado USB y el ratón USB (si se utilizan).

2

Salga de todo el software que se esté ejecutando (aplicaciones).

Cierre cualquier ventana que esté abierta. Si utiliza software como programas antivirus, también debe cerrarlo.

3

Prepare el CD-ROM.

Inserte el CD-ROM en la unidad de CD-ROM del PC.

4

Abra el cuadro de diálogo "**Ejecutar...**".

Haga clic en el botón **Inicio** de Windows.
En el menú que aparece, seleccione "**Ejecutar...**".

5

En el cuadro de diálogo que aparece, escriba lo siguiente en el campo "**Abrir**" y haga clic en **[Aceptar]**.

D:\DRIVER\USB_ME98\SETUPINF.EXE

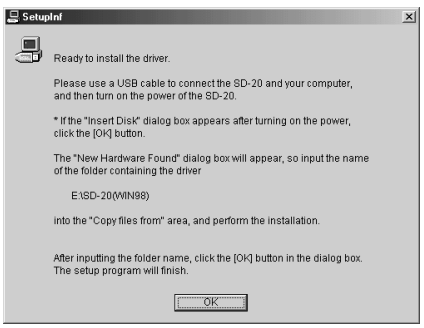
* *El nombre de la unidad "**D:**" puede ser diferente para su sistema. Especifique el nombre de la unidad de su CD-ROM.*

6

Aparece el cuadro de diálogo **SETUPINF**.

Ahora ya está preparado para instalar el controlador.

* *No haga clic en **[Aceptar]** todavía.*


SetupInf
Ready to install the driver.
Please use a USB cable to connect the SD-20 and your computer, and then turn on the power of the SD-20.
* If the "Insert Disk" dialog box appears after turning on the power, click the [OK] button.
The "New Hardware Found" dialog box will appear, so input the name of the folder containing the driver
E:\SD-20(WIN98)
into the "Copy files from" area, and perform the installation.
After inputting the folder name, click the [OK] button in the dialog box. The setup program will finish.
OK

MEMO

En este manual, la ubicación de las carpetas y archivos se da en términos de la ruta del archivo y se utiliza **** como delimitador. Por ejemplo, **USB_ME98\SETUPINF.EXE** se refiere al archivo **SETUPINF.EXE** que se encuentra en la carpeta **USB_ME98**.

7

Conecte el SD-20.

1. Disponga el **interruptor de sistema** del SD-20 en **USB**.
2. Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.
3. Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.
4. Utilice el **cable USB** para conectar el **SD-20** al **PC**.

8

Disponga el interruptor de alimentación del SD-20 en la posición **ON**.

9

Si utiliza Windows 98, puede que aparezca el cuadro de diálogo **Insertar disco**.

Haga clic en **[Aceptar]**.

10

Aparecerá el cuadro de diálogo **Hardware nuevo encontrado**.

En el área "**Copiar archivos de**", escriba "**D:\DRIVER\USB_ME98**" y haga clic en **[Aceptar]**.

New Hardware Found
The file 'rddp0022.dat' was not found.
Windows needs the disk labeled 'EDIROL SD-20 Driver Installation disk' to continue. This disk may be provided by your computer or device manufacturer.
Copy files from:
D:\DRIVER\USB_ME98
OK
Cancel
Skip File
Details...
Browse...

11

Una vez se haya instalado el controlador, se cerrará el cuadro de diálogo **Hardware nuevo encontrado**.

En el cuadro de diálogo **SETUPINF**, haga clic en **[Aceptar]**. El cuadro de diálogo **SETUPINF** se cerrará.

A continuación, debe configurar el controlador.
(-> **Configuración y comprobación** (pág. 212)

NOTE

Incluso si tiene la intención de utilizar normalmente el SD-20 con la alimentación por bus, utilice el adaptador de corriente alterna mientras instala el controlador y efectúe las configuraciones pertinentes.

MEMO

Esta unidad viene equipada con un circuito de protección. Es necesario dejar pasar un pequeño intervalo (de unos segundos) después de encender la unidad para que ésta funcione correctamente.

NOTE

Si utiliza Windows 98 y no aparece el cuadro de diálogo **Insertar disco**, lea el apartado **The "Insert Disk" dialog box does not appear** (pág. 235).

NOTE

Si no aparece el cuadro de diálogo **Hardware nuevo encontrado**, vuelva a instalar el controlador siguiendo el mismo procedimiento, tal como se describe en el apartado **The "Insert Disk" dialog box does not appear** (pág. 235).

Conexión en serie

Para la conexión e instalación, necesita los siguiente aparatos. Tenga los siguientes dispositivos preparados.

- SD-20
- Adaptador de CA
- Cable de PC
- CD-ROM

El procedimiento de instalación variará en función del sistema.
Continúe con uno de los siguientes pasos en función del sistema que utilice.

- Usuarios de Windows XP..... (pág. 201)
- Usuarios de Windows 2000..... (pág. 206)
- Usuarios de Windows Me / 98..... (pág. 210)

■ Usuarios de Windows XP

1 Asegúrese de que el SD-20, el PC y todos los dispositivos periféricos estén apagados.

2 Disponga el **interruptor de sistema** del SD-20 en **PC**.

3 Conecte el conector serie del PC al SD-20 con el cable de PC.

4 Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.

5 Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.

6 **Encienda** el SD-20 y el PC, e inicie Windows.

7 Abra el cuadro de diálogo **Propiedades del sistema**.

1. Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Panel de control**.
2. En "**Elegir una categoría**", haga clic en "**Rendimiento y mantenimiento**".
3. En "**o elegir un icono del Panel de control**", haga clic en el icono **Sistema**.

NOTE

Si utiliza Windows XP Professional, debe iniciar la sesión utilizando un nombre de usuario con algún tipo de cuenta administrativa (por ejemplo, Administrador). Para obtener más información sobre las cuentas de usuario, consulte el administrador del sistema de su PC.

MEMO

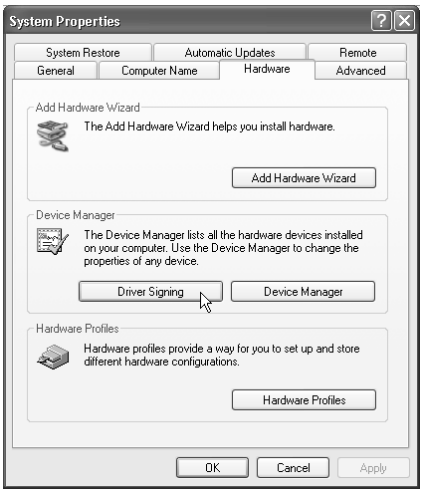
Para obtener más información sobre las conexiones, consulte el apartado **Basic connections** (pág. 13).

MEMO

En función de cómo esté configurado el PC, puede que el icono **Sistema** aparezca directamente en el **Panel de control** (en la Vista clásica). En este caso, haga doble clic en el icono Sistema.

8 Abra el cuadro de diálogo **Opciones de firma del controlador**.

Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**.



9 Asegúrese de que "**¿Que acción desea que realice Windows?**" esté establecido en "**Ignorar**".

Si está establecido en "**Ignorar**", sólo tiene que hacer clic en **[Aceptar]**.
Si no está establecido en "**Ignorar**", anótese la configuración actual ("Advertir" o "Bloquear"). A continuación, cambie la configuración a "**Ignorar**" y haga clic en **[Aceptar]**.

Driver Signing Options
During hardware installation, Windows might detect software that has not passed Windows Logo testing to verify its compatibility with Windows. (Tell me why this testing is important.)
What action do you want Windows to take?
Ignore - Install the software anyway and don't ask for my approval
Warn - Prompt me each time to choose an action
Block - Never install unsigned driver software
Administrator option
Make this action the system default
OK
Cancel

10 Cierre el cuadro de diálogo Propiedades del sistema.

Haga clic en **[Aceptar]**.

11 Salga de todo el software que se esté ejecutando (aplicaciones).

Cierre cualquier ventana que esté abierta. Si utiliza software como programas antivirus, también debe cerrarlo.

12 Prepare el CD-ROM.

Inserte el CD-ROM en la unidad de CD-ROM del PC.

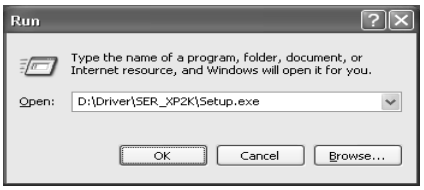
MEMO

Si ha modificado la configuración de "**¿Qué acción desea que realice Windows?**" en el paso 8, debe restaurar la configuración previa una vez haya instalado el controlador. (->**Si modificó "¿Qué acción desea que realice Windows?"** (pág. 194)

13 Abra el cuadro de diálogo "**Ejecutar...**".

Haga clic en el botón **Inicio** de Windows. En el menú que aparece, seleccione "**Ejecutar...**".

14 En el cuadro de diálogo que aparece, escriba lo siguiente en el campo "**Abrir**" y haga clic en **[Aceptar]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *El nombre de la unidad "**D:**" puede ser diferente para su sistema. Especifique el nombre de la unidad de su CD-ROM.*

15 Aparecerá el cuadro de diálogo **Welcome (Bienvenido)**.

Haga clic en **[Next] (Siguiente)**.

16 Aparecerá un cuadro de diálogo como el que se muestra.

Haga clic en **[Next] (Siguiente)**.

During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

MEMO

En este manual, la ubicación de las carpetas y archivos se da en términos de la ruta del archivo y se utiliza **** como delimitador. Por ejemplo, **SER_XP2K\SETUP.EXE** indica el archivo **SETUP.EXE** que se encuentra en la carpeta **SER_XP2K**.

Si en el **paso 9** la configuración de "**¿Qué acción desea que realice Windows?**" no se estableció en "**Ignorar**", aparecerá el cuadro de diálogo "**Instalación de hardware**".

Si "¿Qué acción desea que realice Windows?" está establecido en "Advertir":

1. Haga clic en **[Continuar de todos modos]**.
2. Continúe con la instalación.

Si "Si "¿Qué acción desea que realice Windows?" está establecido en "Bloquear":

1. Haga clic en **[Aceptar]**.
2. Cuando aparezca "**Asistente para hardware nuevo encontrado**", haga clic en **[Finalizar]**.
3. Efectúe la instalación como se describe en el apartado "**Resolución de problemas**" de **Device Manager shows "?", "!", or "USB Composite Device"** (pág. 235).

Hardware Installation
The software you are installing for this hardware:
Roland Serial MIDI Driver
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

17

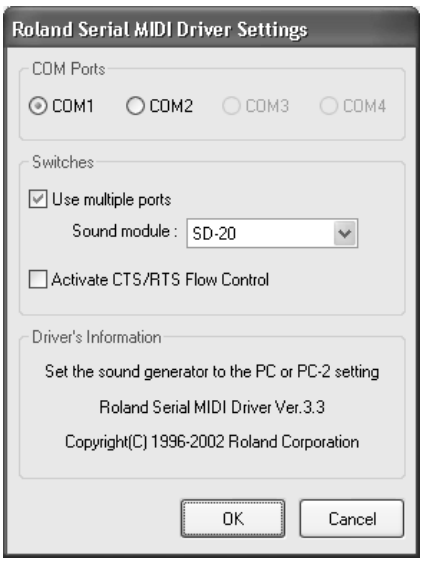
Aparecerá el cuadro de diálogo **Roland Serial MIDI Driver Settings (Configuración del controlador MIDI de serie Roland)**.

Configure los siguientes elementos. Haga clic en **[OK] (Aceptar)**.

COM Ports (Puertos COM)
Seleccione el puerto serie (puerto COM) al que esté conectado el puerto serie del SD-20.

Switches (Interruptores)
Seleccione "**Use multiple ports (Utilizar varios puertos)**".
Haga clic en el símbolo ▼ a la derecha del campo **[Sound module] (Módulo de sonido)** y seleccione **SD-20**.

* *No seleccione "**Activate CTS/RTS Flow Control (Activar control de flujo CTS/RTS)**".*



18

Una vez finalizada la instalación del controlador, aparecerá el cuadro de diálogo **Restart your computer (Reiniciar el PC)**. Reinicie el PC.

Si modificó "¿Qué acción desea que realice Windows?"

Si modificó la configuración de **¿Qué acción desea que realice Windows?** en el paso 5, restaure la configuración original después de que Windows se reinicie.

1. Si utiliza Windows XP Professional, debe iniciar la sesión de Windows utilizando un nombre de usuario con cuenta administrativa (por ejemplo, Administrador).
2. Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Panel de control**.
3. En "**Elegir una categoría**", haga clic en "**Rendimiento y mantenimiento**".
4. En "**o elegir un icono del Panel de control**", haga clic en el icono **Sistema**. Aparecerá el cuadro de diálogo Propiedades del sistema.
5. Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**. Aparecerá el cuadro de diálogo **Opciones de firma del controlador**.
6. Restablezca la configuración de **¿Qué acción desea que realice Windows?** a la configuración original ("Advertir" o "Bloquear") y haga clic en **[Aceptar]**.
7. Haga clic en **[Aceptar]**. Se cerrará el cuadro de diálogo **Propiedades del sistema**.

A continuación, debe configurar el controlador.
(-> **Configuración y comprobación** (pág. 212)**)**

■ Usuarios de Windows 2000

1 Asegúrese de que el SD-20, el PC y todos los dispositivos periféricos estén apagados.

2 Disponga el **interruptor de sistema** del SD-20 en **PC**.

3 Conecte el conector serie del PC al SD-20 con el cable de PC.

4 Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.

5 Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.

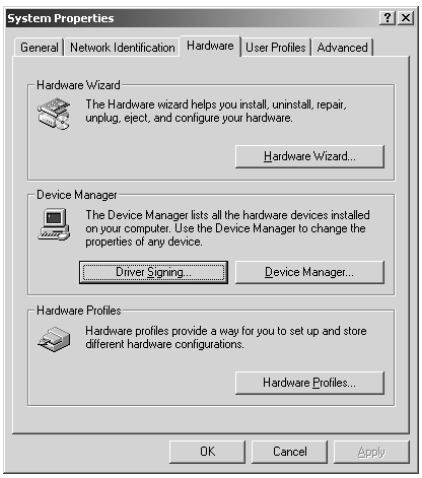
6 Encienda el SD-20 y el PC, e inicie Windows.

7 Abra el cuadro de diálogo **Propiedades del sistema**.

1. Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Configuración | Panel de control**.
2. En "**Panel de control**", haga doble clic en el icono **Sistema**.

8 Abra el cuadro de diálogo **Opciones de firma del controlador**.

Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

NOTE

Inicie una sesión en Windows utilizando un nombre de usuario con cuenta administrativa (por ejemplo, Administrador). Para obtener más información sobre las cuentas de usuario, consulte el administrador del sistema de su PC.

MEMO

Para obtener más información sobre las conexiones, consulte el apartado "**Basic connections** (pág. 13)".

9

Asegúrese de que "**Verificación de la firma del archivo**" esté establecido en "**Ignorar**".

Si está establecido en "**Ignorar**", sólo tiene que hacer clic en **[Aceptar]**.
Si no está establecido en "**Ignorar**", anótese la configuración actual ("Advertir" o "Bloquear"). A continuación, cambie la configuración a "**Ignorar**" y haga clic en **[Aceptar]**.

Driver Signing Options
To ensure their integrity, all files on the Windows 2000 CD are digitally signed by Microsoft and are automatically verified during Setup.
When you install new software, the following verification settings will be used.
File signature verification
Ignore - Install all files, regardless of file signature
Warn - Display a message before installing an unsigned file
Block - Prevent installation of unsigned files
Administrator option
Apply setting as system default
OK
Cancel

10

Cierre el cuadro de diálogo **Propiedades del sistema**.

Haga clic en **[Aceptar]**.

11

Salga de todo el software que se esté ejecutando (aplicaciones).

Cierre cualquier ventana que esté abierta. Si utiliza software como programas antivirus, también debe cerrarlo.

12

Prepare el CD-ROM.

Inserte el CD-ROM en la unidad de CD-ROM del PC.

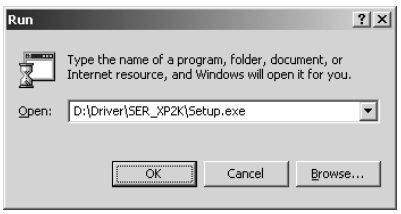
13

Abra el cuadro de diálogo "**Ejecutar...**".

Haga clic en el botón **Inicio** de Windows.
En el menú que aparece, seleccione "**Ejecutar...**".

14

En el cuadro de diálogo que aparece, escriba lo siguiente en el campo "**Abrir**" y haga clic en **[Aceptar]**.



D:\DRIVER\SER_XP2K\SETUP.EXE

* *El nombre de la unidad "**D:**" puede ser diferente para su sistema. Especifique el nombre de la unidad de su CD-ROM.*

MEMO

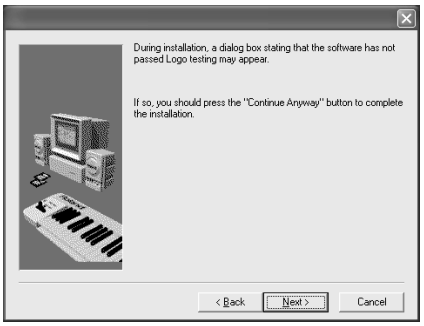
En este manual, la ubicación de las carpetas y archivos se da en términos de la ruta del archivo y se utiliza **** como delimitador. Por ejemplo, **SER_XP2K\SETUP.EXE** indica el archivo **SETUP.EXE** que se encuentra en la carpeta **SER_XP2K**.

15 Aparecerá el cuadro de diálogo **Welcome (Bienvenido)**.

Haga clic en **[Next] (Siguiente)**.

16 Aparecerá un cuadro de diálogo como el que se muestra.

Haga clic en **[Next] (Siguiente)**.


During installation, a dialog box stating that the software has not passed Logo testing may appear.
If so, you should press the "Continue Anyway" button to complete the installation.
< Back
Next >
Cancel

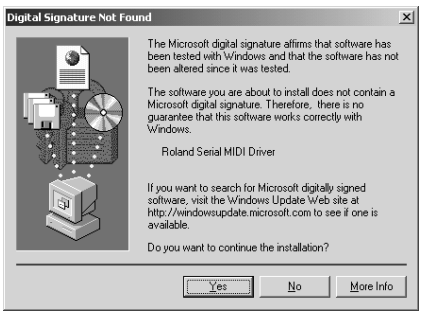
Si en el **paso 9** la configuración de "**Verificación de la firma del archivo**" no se estableció en "**Ignorar**", aparecerá un cuadro de diálogo "**No se ha encontrado la firma digital**".

Si "Verificación de la firma del archivo" está establecido en "Advertir":

1. Haga clic en **[Sí]**.
2. Continúe con la instalación.

Si "Verificación de la firma del archivo" está establecido en "Bloquear":

1. Haga clic en **[Aceptar]**.
2. Cuando aparezca el "Asistente para detectar hardware nuevo", haga clic en **[Finalizar]**.
3. Efectúe la instalación como se describe en el apartado "**Resolución de problemas**" de **Device Manager shows "?", "!", or "USB Composite Device"** (pág. 235).


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Roland Serial MIDI Driver
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

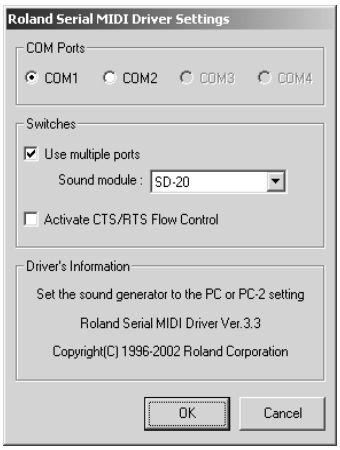
17

Aparecerá el cuadro de diálogo **Roland Serial MIDI Driver Settings (Configuración del controlador MIDI de serie Roland)**.

Configure los siguientes elementos. Haga clic en **[OK] (Aceptar)**.

COM Ports (Puertos COM)
Seleccione el puerto serie (puerto COM) al que esté conetado el puerto serie del SD-20.

Switches (Interruptores)
Seleccione "**Use multiple ports (Utilizar varios puertos)**".
Haga clic en el símbolo ▼ a la derecha del campo **[Sound module] (Módulo de sonido)** y seleccione **SD-20**.



* *No seleccione "**Activate CTS/RTS Flow Control (Activar control de flujo CTS/RTS)**".*

18

Una vez finalizada la instalación del controlador, aparecerá el cuadro de diálogo **Restart your computer (Reiniciar el PC)**. Reinicie el PC.

Si modificó "Verificación de la firma del archivo"

Si modificó la configuración de "Verificación de la firma del archivo" en el paso 5, restaure la configuración original después de que se reinicie Windows.

1. Una vez que Windows se haya reiniciado, inicie la sesión en Windows como usuario con **privilegios administrativos** (por ejemplo, Administrador).
2. En el escritorio de Windows, haga clic con el botón secundario en el icono **Mi PC** y, en el menú que aparece, seleccione **Propiedades**. Aparecerá el cuadro de diálogo **Propiedades del sistema**.
3. Haga clic en la ficha **Hardware** y, a continuación, haga clic en **[Firma del controlador]**. Aparecerá el cuadro de diálogo **Opciones de firma del controlador**.
4. Restablezca la configuración original de **"Verificación de firma del controlador"** (ya sea **"Advertir"** o "**Bloquear**") y haga clic en **[Aceptar]**.
5. Haga clic en **[Aceptar]**. Se cerrará el cuadro de diálogo **Propiedades del sistema**.

A continuación, debe configurar el controlador.
(->**Configuración y comprobación** (pág. 212)

■ Usuarios de Windows Me/98

1 Asegúrese de que el SD-20, el PC y todos los dispositivos periféricos estén apagados.

2 Disponga el **interruptor de sistema** del SD-20 en **PC**.

3 Conecte el conector serie del PC al SD-20 con el cable de PC.

4 Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.

5 Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.

6 Encienda el SD-20 y el PC, e inicie Windows.

7 Salga de todo el software que se esté ejecutando (aplicaciones).

Cierre cualquier ventana que esté abierta. Si utiliza software como programas antivirus, también debe cerrarlo.

8 Prepare el CD-ROM.

Inserte el CD-ROM en la unidad de CD-ROM del PC.

9 Abra el cuadro de diálogo "**Ejecutar...**".

Haga clic en el botón **Inicio** de Windows.
En el menú que aparece, seleccione "**Ejecutar...**".

10 En el cuadro de diálogo que aparece, escriba lo siguiente en el campo "**Abrir**" y haga clic en **[Aceptar]**.

D:\DRIVER\SER_ME98\DISK1\SETUP.EXE

* *El nombre de la unidad "**D:**" puede ser diferente para su sistema. Especifique el nombre de la unidad de su CD-ROM.*

MEMO

Para obtener más información sobre las conexiones, consulte el apartado "**Basic connections** (pág. 13)".

MEMO

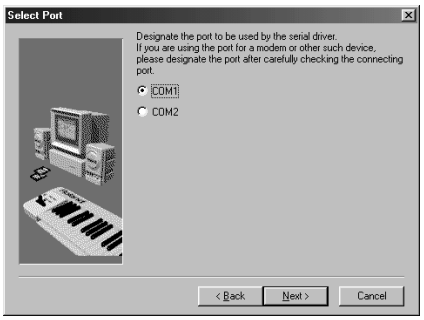
En este manual, la ubicación de las carpetas y archivos se da en términos de la ruta del archivo y se utiliza **** como delimitador. Por ejemplo, **SER_ME98\SETUP.EXE** se refiere al archivo **SETUP.EXE** que se encuentra en la carpeta **SER_ME98**.

11 Aparecerá el cuadro de diálogo **Welcome (Bienvenido)**.

Haga clic en **[Next] (Siguiente)**.

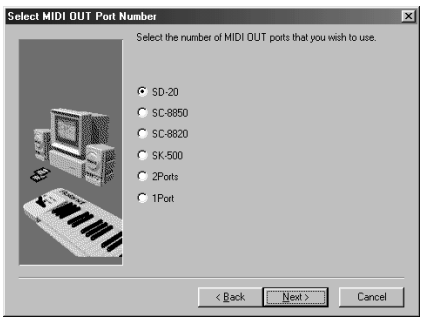
12 Aparecerá el cuadro de diálogo **Select Port (Seleccionar puerto)**.

Seleccione el puerto serie al que esté conectado el SD-20 y haga clic en **[Next] (Siguiente)**.
El número de puertos COM variará en función del sistema que utilice.


Select Port
Designate the port to be used by the serial driver.
If you are using the port for a modem or other such device, please designate the port after carefully checking the connecting port.
COM1
COM2
< Back
Next >
Cancel

13 Aparecerá el cuadro de diálogo **Select MIDI OUT Port Number (Seleccionar número de puerto de salida MIDI)**.

Seleccione SD-20 y haga clic en **[Next] (Siguiente)**.



14 Aparecerá el cuadro de diálogo **Installation information (Información de la instalación)**.

Verifique el contenido mostrado y haga clic en **[Next] (Siguiente)**.

15 Aparecerá el cuadro de diálogo **System Settings Change (Cambio de configuración del sistema)**.

Asegúrese de que el interruptor de sistema del panel posterior del SD-20 esté establecido en **[PC]** y haga clic en **[Next] (Siguiente)**.
Si no está establecido en **[PC]**, vuelva a realizar el procedimiento desde el **paso 1**.

16 Una vez finalizada la instalación del controlador, aparecerá el cuadro de diálogo **Restart your computer (Reiniciar el PC)**. Reinicie el PC.

A continuación, debe configurar el controlador.
(-> **Configuración y comprobación** (pág. 212))

Configuración y comprobación

■ Usuarios de Windows XP/2000/Me

1

Abra el **Panel de control**.

Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Configuración | Panel de control**.

Windows XP

Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Panel de control**.

2

Abra el cuadro de diálogo **Propiedades de sonido y multimedia** (en Windows XP, **Propiedades de sonidos y dispositivos de audio**).

Windows 2000/Me

En **Panel de control**, haga doble clic en el icono **Sonidos y multimedia** para abrir el cuadro de diálogo "**Propiedades de sonidos y multimedia**".

Windows XP

En "**Elegir una categoría**", haga clic en "**Sonidos, voz y dispositivos de audio**". A continuación, en "**o elegir un icono del Panel de control**", haga clic en el icono **Sonidos y dispositivos de audio**.

3

Haga clic en la ficha **Audio**.

4

Para la **Reproducción de música MIDI**, haga clic en el símbolo ▼ que aparece a la derecha de **[Dispositivo preferido]** (o en Windows XP, **[Dispositivo predeterminado]**) y seleccione lo siguiente en la lista que aparece.

Para una conexión USB	EDIROL SD-20 PARTE A
Para una conexión en serie	Roland Serial MIDI Out A

5

Haga clic en **[Aceptar]** para completar la configuración.

Prosiga por la página siguiente.
Usuarios de Windows XP ..... (pág. 214)
Usuarios de Windows 2000 / Me ..... (pág. 215)

MEMO

En función de cómo esté configurado el PC, puede que el icono **Sonidos y dispositivos de audio** aparezca directamente en el **Panel de control** (en la Vista clásica). En este caso, haga doble clic en el icono **Sonidos y dispositivos de audio**.

■ Usuarios de Windows 98

1

Abra el **Panel de control**.

Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Configuración | Panel de control**.

2

Abra el cuadro de diálogo **Propiedades de multimedia**.

En **Panel de control**, haga doble clic en el icono **Multimedia** para abrir el cuadro de diálogo "**Propiedades de multimedia**".

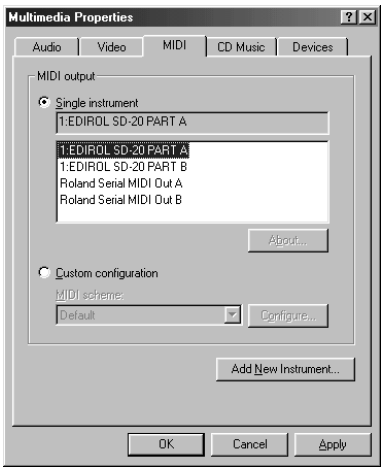
3

Haga clic en la ficha **MIDI**.

4

Especifique la "**Salida de MIDI**".

Seleccione **[Instrumento único]** y escoja una de las siguientes opciones en la lista que aparece.



Para una conexión USB	EDIROL SD-20 PARTE A
Para una conexión en serie	Roland Serial MIDI Out A

5

Haga clic en **[Aceptar]** para completar la configuración.

Prosiga por la página siguiente.
(-> **Comprobación de la salida de sonido** (pág. 215)**)**

Habilitación de servicios en segundo plano

En Windows XP, efectúe las siguientes configuraciones para que el proceso de MIDI se lleve a cabo de forma óptima. Estas configuraciones no están disponibles en Windows 2000 / Me / 98.

1 Haga clic en el botón **Inicio** de Windows y, en el menú que aparece, seleccione **Panel de control**.

2 En "**Elegir una categoría**", haga clic en "**Rendimiento y mantenimiento**".

3 En "**o elegir un icono del Panel de control**", haga clic en el icono **Sistema**.

4 Haga clic en la ficha **Avanzada**.

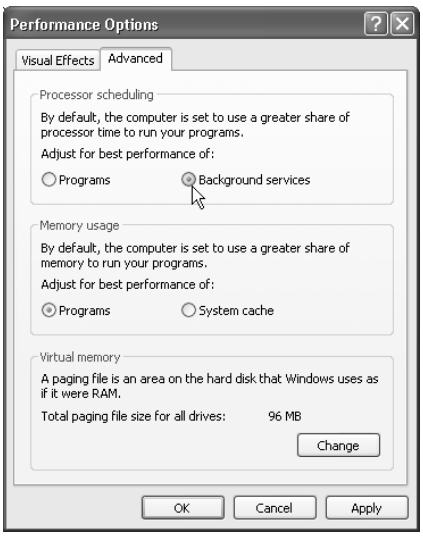
5 A la derecha del campo Rendimiento, haga clic en **[Configuración]**. Aparecerá el cuadro de diálogo Opciones de rendimiento.

6 Haga clic en la ficha **Avanzada**.

7 En el campo **Planificación del procesador**, seleccione "**Servicios de segundo plano**" y haga clic en **[Aceptar]**.

8 En el cuadro de diálogo Propiedades del sistema, haga clic en **[Aceptar]**.

Se cerrará el cuadro de diálogo **Propiedades del sistema**.


Performance Options
Visual Effects
Advanced
Processor scheduling
By default, the computer is set to use a greater share of processor time to run your programs.
Adjust for best performance of:
Programs
Background services
Memory usage
By default, the computer is set to use a greater share of memory to run your programs.
Adjust for best performance of:
Programs
System cache
Virtual memory
A paging file is an area on the hard disk that Windows uses as if it were RAM.
Total paging file size for all drives: 96 MB
Change
OK
Cancel
Apply

Prosiga por la página siguiente.
(-> **Comprobación de la salida de sonido** (pág. 215)

Comprobación de la salida de sonido

Ahora, reproduzca los datos de muestra para comprobar que las conexiones, la instalación del controlador y las configuraciones se hayan realizado correctamente.

■ Reproducción de los datos de muestra

Aquí utilizaremos la funcionalidad estándar de Windows para reproducir los datos de muestra. Los datos de muestra se encuentran en el CD-ROM.

1

Prepare el CD-ROM.

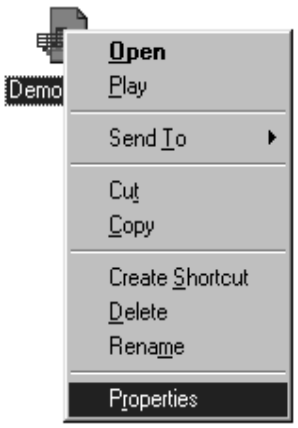
Inserte el CD-ROM en la unidad de CD-ROM del PC.

2

En la carpeta **DemoSong** del CD-ROM, arrastre **Demo01**(.MID) a su escritorio para copiarlo.

3

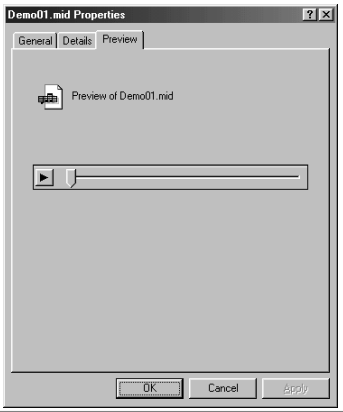
Haga clic con el botón secundario en el archivo copiado **Demo01**(.MID) y seleccione **Propiedades** (**Reproducir** en Windows XP / 2000 / Me).



4

Reproduzca los datos de muestra.

Haga clic en la ficha **Vista previa** y, a continuación, haga clic en el botón ▶. La música empezará a sonar.



¿Se han reproducido los datos de muestra?

Si se han reproducido correctamente, significa que el PC y el SD-20 se han conectado correctamente y los controladores se han instalado de manera satisfactoria.

MEMO

La utilización de los datos musicales proporcionados con este producto para cualquier fin que no sea el disfrute personal o privado sin el permiso del propietario del copyright está prohibida por la ley. Además, estos datos no deben ser copiados ni utilizados para otro trabajo con copyright propio sin el permiso del propietario del copyright.

MEMO

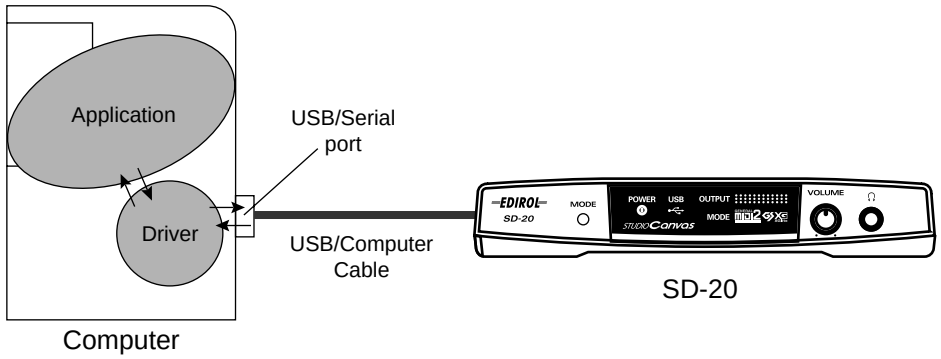
Puede que lo que vea en la pantalla de su PC varíe en función de la versión del sistema operativo y el entorno informático que esté utilizando.

MEMO

Si no se han reproducido correctamente, consulte el apartado **Troubleshooting** (pág. 232) para determinar el motivo. Este apartado contiene información sobre cómo solucionar problemas como la ausencia de sonido o la imposibilidad de reproducir correctamente.

Conexión e instalación de los controladores (Macintosh)

¿Qué es un controlador?



Un “controlador” es software que transfiere datos entre el SD-20 y el software de aplicación que esté ejecutando en su sistema, cuando su PC y el SD-20 están conectados por un cable USB. El controlador pasa los datos de la aplicación al SD-20 y del SD-20 a la aplicación.

El SD-20 puede funcionar con la “**alimentación por bus**” suministrada a través del cable USB. Entonces el adaptador de corriente alterna resulta innecesario. Sin embargo, si se utiliza un concentrador USB o no puede suministrarse suficiente alimentación a través de USB, puede que el SD-20 no funcione correctamente. En este caso, conecte el adaptador de corriente alterna proporcionado al SD-20.
Aunque utilice el SD-20 con alimentación por bus, conecte el adaptador de corriente alterna cuando instale el controlador.

¿Qué tipos de conexión puede utilizar?

Puede utilizar tanto un cable USB como un cable de PC para realizar la conexión en serie. Instale el controlador apropiado y efectúe las configuraciones pertinentes en función del tipo de conexión que utilice.

Conexión USB.....(pág. 217)

Conexión en serie.....(pág. 224)

Conexión USB

Para la conexión e instalación, necesita los siguiente aparatos. Tenga los siguientes dispositivos preparados.

- SD-20
- Adaptador de CA
- Cable USB
- CD-ROM

1 Apague el Macintosh y todos los aparatos periféricos conectados a éste.

2 Disponga el **interruptor de sistema** del SD-20 en **USB**.

3 Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.

4 Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.

5 Encienda los aparatos periféricos conectados al Macintosh, excepto el SD-20. A continuación, encienda el Macintosh.

* *No encienda el SD-20 todavía.*

Si el SD-20 está encendido, cuando se inicie el Macintosh aparecerá un mensaje como el siguiente. Realice los siguientes pasos según el mensaje que se muestre.

Si la pantalla indica:

"Driver required for USB device 'unknown device' is not available. Search for driver on the Internet?",

> haga clic en **[Cancel]**.

Si la pantalla indica:

"Software required for using device 'unknown device' cannot be found. Please refer to the manual included with the device, and install the necessary software",

> haga clic en **[OK]**.

Utilice OMS o FreeMIDI como controlador MIDI.

- Si va a utilizar OMS..... (pág. 218)
- Si va a utilizar FreeMIDI ..... (pág. 222)

* *Debe instalar **OMS** o **FreeMIDI** en el Macintosh según el software secuenciador que vaya a utilizar.*

■ Instalación del controlador SD-20 (OMS)

Lleve a cabo el siguiente procedimiento para instalar el controlador SD-20. El **controlador OMS del SD-20** que se incluye es un módulo añadido para utilizar el SD-20 con OMS. Para poder utilizarlo, **OMS ya debe estar instalado en el disco duro desde el que inició la sesión**.

Si desea obtener más información sobre OMS, consulte el manual en línea **OMS_2.3_Mac.pdf** en la carpeta **OMS2.3.8E** que se encuentra dentro de la carpeta OMS del CD-ROM.

* *Desconecte el SD-20 del Macintosh antes de realizar la instalación.*

1 Salga de todo el software que se esté ejecutando (aplicaciones).

Si utiliza software como programas antivirus, debe cerrarlo también.

2 Prepare el CD-ROM.

Coloque el CD-ROM en la unidad de CD-ROM.

3 Haga doble clic en el icono **SD-20 USB Installer** (que se encuentra en la carpeta **Driver - OMS Driver** del CD-ROM) para iniciar el instalador.

4 Verifique la ubicación de la instalación y haga clic en **[Install]**.

5 Si aparece un mensaje como el siguiente, haga clic en **[Continue]**.

Saldrá de todas las aplicaciones que se estén ejecutando y seguirá la instalación.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6 Aparecerá un cuadro de diálogo que le indicará que la instalación ha finalizado.

Haga clic en **[Restart]** para reiniciar el Macintosh.

7 Utilice el **cable USB** para conectar el **SD-20** al **PC**.

8 Establezca el interruptor de alimentación del SD-20 en la posición ON.

NOTE

El controlador OMS para este producto precisa de **OMS 2.3.5** o posterior.

MEMO

OMS se encuentra en la carpeta OMS2.3.8E dentro de la carpeta OMS del CD-ROM.

MEMO

Para leer OMS_2.3_Mac.pdf, necesitará Adobe Acrobat Reader. Puede bajarse la última versión de Adobe Acrobat Reader desde el sitio web de Adobe: http://www.adobe.com. (Puede que este URL se modifique sin previo aviso.)

MEMO

Esta unidad viene equipada con un circuito de protección. Es preciso dejar pasar unos segundos para que la unidad funcione correctamente después de encenderla.

Configuración de OMS

1

En el CD-ROM, arrastre la carpeta **Driver-OMS Driver-OMS Settings** al disco duro del Macintosh para copiarla.

2

En la carpeta **Opcode-OMS Application** donde ha instalado OMS, haga doble clic en **OMS Setup** para iniciarlo.

3

Si aparece un cuadro de diálogo como éste, haga clic en **[Turn It Off]**. Aparecerá un cuadro de diálogo de confirmación; haga clic en **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

Aparecerá el cuadro de diálogo Create New Setup.

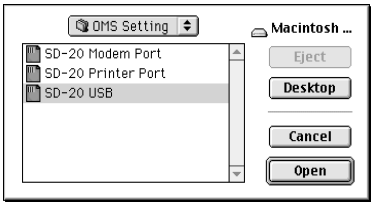
Haga clic en **[Cancel]**. Si, por equivocación, hace clic en **[OK]**, haga clic en **[Cancel]** en la siguiente pantalla.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

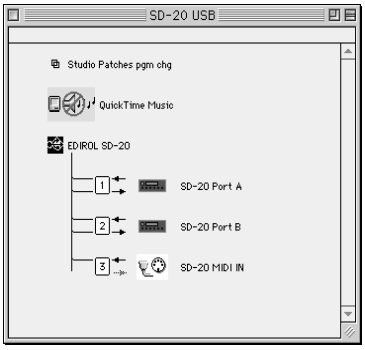
5

Elija "**Open**" del menú File.

En la carpeta **OMS Settings** que ha copiado en el **paso 1**, seleccione el archivo **SD-20 USB** y haga clic en **[Open]**.



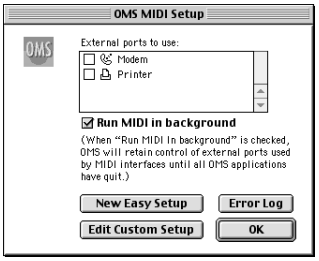
Aparecerá una pantalla como la que se muestra aquí.



6

En el menú **Edit**, seleccione **OMS MIDI Setup**.

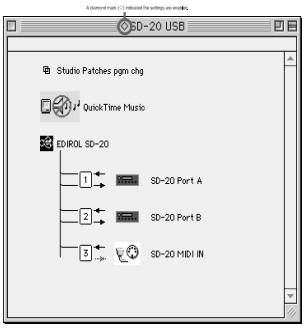
En el cuadro de diálogo **OMS MIDI Setup** que aparece, seleccione **Run MIDI in background** y haga clic en **[OK]**.


OMS MIDI Setup
OMS
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

7

En el menú **File**, elija **Make Current**.

Si no puede seleccionar **Make Current**, significa que ya se ha aplicado y puede continuar con el siguiente paso.



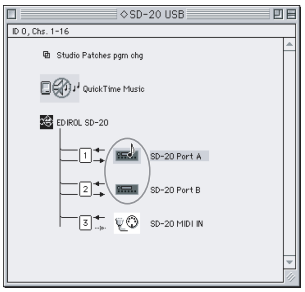
8

Compruebe que la transmisión y la recepción MIDI se realicen correctamente. En el menú **Studio**, seleccione **Test Studio**.

9

Cuando mueve el cursor del ratón cerca del icono del generador de sonido, el cursor se convierte en una ♪.

Haga clic en los iconos del generador de sonido rodeados por un círculo en la siguiente ilustración. Si se oye sonido del SD-20, la configuración es correcta. Si no se transmite MIDI, oirá el sonido de alerta del Macintosh.



¿Se mueve el indicador de nivel de salida (OUTPUT) del SD-20?

Si el medidor de nivel OUTPUT de la pantalla del SD-20 se mueve pero no oye ningún sonido, compruebe si se ha bajado el volumen del SD-20 o sus altavoces. Si el medidor de nivel OUTPUT no se mueve, vuelva a comprobar las conexiones y la configuración de OMS.
Una vez realizada la configuración correcta, vuelva a seleccionar **Test** del menú **Studio** y lleve a cabo el **paso 9**.

MEMO

Si el SD-20 no emite ningún sonido, consulte el apartado **No sound** (pág. 237).

10 Salga de OMS Setup.

En el menú **File**, elija **[Exit]**. Si aparece el cuadro de diálogo **AppleTalk confirmation**, haga clic en **[OK]** para cerrarlo.

Con esto finalizan las conexiones del SD-20 y el Macintosh y la instalación del controlador MIDI. Ya está listo para recibir y enviar (grabar y reproducir) datos MIDI.

■ Instalación del controlador SD-20 (FreeMIDI)

Lleve a cabo el siguiente procedimiento para instalar el controlador SD-20. El **controlador FreeMIDI de SD-20** que se incluye es un módulo añadido para utilizar el SD-20 con FreeMIDI. Para poder utilizarlo, **FreeMIDI ya debe estar instalado en el disco duro desde el que inició la sesión**.

* *Desconecte el SD-20 del Macintosh antes de realizar la instalación.*

1 Salga de todo el software que se esté ejecutando (aplicaciones).

Si utiliza software como programas antivirus, debe cerrarlo también.

2 Prepare el CD-ROM.
Coloque el CD-ROM en la unidad de CD-ROM.

3 Haga doble clic en el icono **SD-20 USB Installer** (que se encuentra en la carpeta **Driver - FreeMIDI - USB Connection** del CD-ROM) para iniciar el instalador.

4 Verifique la ubicación de la instalación y haga clic en **[Install]**.

5 Si aparece un mensaje como el siguiente, haga clic en **[Continue]**.

Saldrá de todas las aplicaciones que se estén ejecutando y seguirá la instalación.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6 Aparecerá un cuadro de diálogo que le indicará que la instalación ha finalizado. Haga clic en **[Restart]** para reiniciar el Macintosh.

7 Utilice el **cable USB** para conectar el **SD-20** al **PC**.

8 Encienda el interruptor del SD-20 (ON).

MEMO

Esta unidad viene equipada con un circuito de protección. Es preciso dejar pasar unos segundos para que la unidad funcione correctamente después de encenderla.

Configuración de FreeMIDI

1 Desde el CD-ROM, copie la carpeta **Driver - FreeMIDI Driver - Settings** en el disco duro del Macintosh.

2 Abra la carpeta FreeMIDI Application desde la ubicación en la que ha instalado FreeMIDI y haga doble clic en el icono **FreeMIDI Setup** para iniciarlo.

3 Cuando aparezca "**OMS is installed on this computer...**", haga clic en **[FreeMIDI]**.

4 La primera vez que inicie el software, aparecerá el cuadro de diálogo "**Welcome to FreeMIDI!**". Haga clic en **[Continue]**.

5 Cuando aparezca el cuadro de diálogo **FreeMIDI Preferences**, haga clic en **[Cancel]**.

6 Cuando aparezca el cuadro de diálogo **About Quick Setup**, haga clic en **[Cancel]**.

7 En el menú **File**, elija **Open**.

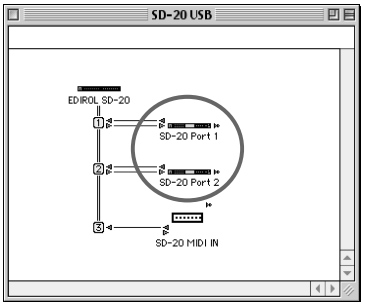
8 Seleccione **SD-20 USB** de la carpeta **FreeMIDI Settings** que ha copiado en el **paso 1** y haga clic en **[Open]**.

9 Compruebe que la transmisión y la recepción MIDI se realicen correctamente.

En el menú **MIDI**, seleccione **Check Connections**.

10 El cursor del ratón se convertirá en una nota. Haga clic en los iconos del generador de sonido rodeados por un círculo en el diagrama de la derecha.

Si oye sonido, los mensajes MIDI se están transmitiendo del Macintosh al SD-20.



MEMO

Si el SD-20 no emite ningún sonido, consulte el apartado **No sound** (pág. 237).

¿Se mueve el indicador de nivel de salida (OUTPUT) del SD-20?

Si el medidor de nivel OUTPUT de la pantalla del SD-20 se mueve pero no oye ningún sonido, compruebe si se ha bajado el volumen del SD-20 o sus altavoces. Si el medidor de nivel OUTPUT no se mueve, vuelva a comprobar las conexiones y la configuración de OMS.
Una vez realizada la configuración correcta, vuelva a seleccionar **Test** del menú **Studio** y lleve a cabo el **paso 10**.

11 Vuelva a elegir el comando de menú **MIDI Check Connections** para finalizar la prueba.

12 En el menú **File**, seleccione Quit para salir de **FreeMIDI Setup**.

Con esto finalizan las conexiones del SD-20 y el Macintosh y la instalación del controlador MIDI. Ya está listo para recibir y enviar (grabar y reproducir) datos MIDI.

Conexión en serie

Para la conexión e instalación, necesita los siguiente aparatos. Tenga los siguientes dispositivos preparados.

- SD-20
- Adaptador de CA
- Cable de PC
- CD-ROM

1 Apague el Macintosh y todos los aparatos periféricos conectados a éste.

2 Disponga el **interruptor de sistema** del SD-20 en **Mac**.

3 Utilice un cable de PC para conectar un **puerto de módem** o un **puerto de impresora** de su Macintosh con el SD-20.

4 Con el interruptor de alimentación del **SD-20 en la posición OFF**, conecte el dispositivo al **adaptador de corriente alterna**.

5 Conecte el **adaptador de corriente alterna** en un enchufe de toma de corriente alterna.

6 Encienda el SD-20 y el Macintosh.

MEMO

Esta unidad viene equipada con un circuito de protección. Es preciso dejar pasar unos segundos para que la unidad funcione correctamente después de encenderla.

■ Instalación del controlador SD-20 (OMS)

Lleve a cabo el siguiente procedimiento para instalar el controlador SD-20. El **controlador OMS del SD-20** que se incluye es un módulo añadido para utilizar el SD-20 con OMS. Para poder utilizarlo, **OMS ya debe estar instalado en el disco duro desde el que inició la sesión**.

Si desea obtener más información sobre OMS, consulte el manual en línea **OMS_2.3_Mac.pdf** en la carpeta **OMS2.3.8E** que se encuentra dentro de la carpeta OMS del CD-ROM.

1

Salga de todo el software que se esté ejecutando (aplicaciones).

Si utiliza software como programas antivirus, debe cerrarlo también.

2

Prepare el CD-ROM.

Coloque el CD-ROM en la unidad de CD-ROM.

3

Haga doble clic en el icono **SD-20 Serial Installer** (que se encuentra en la carpeta **Driver - OMS Driver** del CD-ROM) para iniciar el instalador.

4

Verifique la ubicación de la instalación y haga clic en **[Install]**.

5

Si aparece un mensaje como el siguiente, haga clic en **[Continue]**.

Saldrá de todas las aplicaciones que se estén ejecutando y seguirá la instalación.

This installation requires your computer to restart after installing this software. Click Continue to automatically quit all other running applications. Click Cancel to leave your disks untouched.
Cancel
Continue

6

Aparecerá un cuadro de diálogo que le indicará que la instalación ha finalizado.

Haga clic en **[Restart]** para reiniciar el Macintosh.

NOTE

El controlador OMS para este producto precisa de **OMS 2.3.5** o posterior.

MEMO

OMS se encuentra en la carpeta OMS2.3.8E dentro de la carpeta OMS del CD-ROM.

MEMO

Para leer OMS_2.3_Mac.pdf, necesitará Adobe Acrobat Reader. Puede bajarse la última versión de Adobe Acrobat Reader desde el sitio web de Adobe: http://www.adobe.com. (Puede que este URL se modifique sin previo aviso.)

Configuración de OMS

1

En el CD-ROM, arrastre la carpeta **Driver-OMS Driver-OMS Settings** al disco duro del Macintosh para copiarla.

2

En la carpeta **Opcode-OMS Application** donde ha instalado OMS, haga doble clic en **OMS Setup** para iniciarlo.

3

Si aparece un cuadro de diálogo como éste, haga clic en **[Turn It Off]**. Aparecerá un cuadro de diálogo de confirmación; haga clic en **[OK]**.

AppleTalk
OMS
AppleTalk is on. It is used for connecting your computer to network services, such as file servers and printers. But it can make MIDI communication less reliable.
If you choose Turn It Off, don't disconnect AppleTalk yet.
CAUTION: OMS may not turn off AppleTalk as reliably as Apple's system software.
Options...
Leave It On
Turn It Off

4

Aparecerá el cuadro de diálogo Create New Setup.

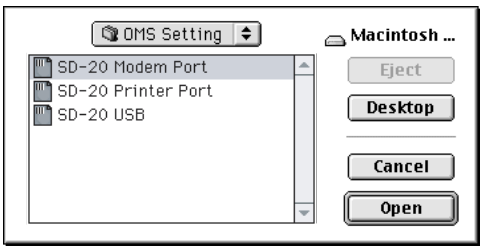
Haga clic en **[Cancel]**. Si, por equivocación, hace clic en **[OK]**, haga clic en **[Cancel]** en la siguiente pantalla.

Create a New Studio Setup
A studio setup document is a list of your MIDI devices and cables between them.
You use it to tell applications what's in your studio.
Click OK to have OMS automatically locate your MIDI devices and build a new studio setup document.
Cancel
OK

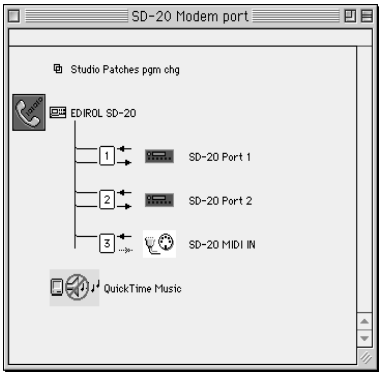
5

Elija "**Open**" del menú File.

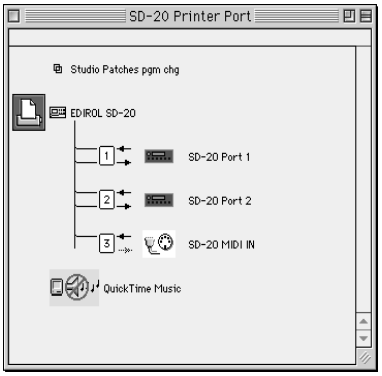
Abra la carpeta **OMS Settings** copiada en el **Paso 1**, seleccione el nombre del puerto en el que esté conectado el SD-20 y haga clic en **[Open]**.



Aparecerá una pantalla como la que se muestra aquí.



Opening the SD-20 Modem Port file



Opening the SD-20 Printer Port file

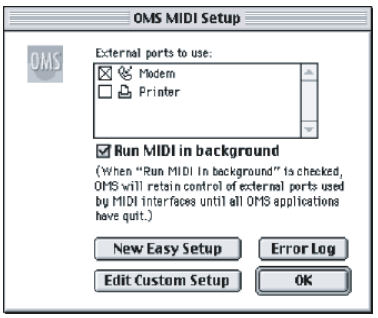
MEMO

Si se conecta a un puerto combinado de módem e impresora como el de los PowerBooks, seleccione el archivo “SD-20 Modem Port”.

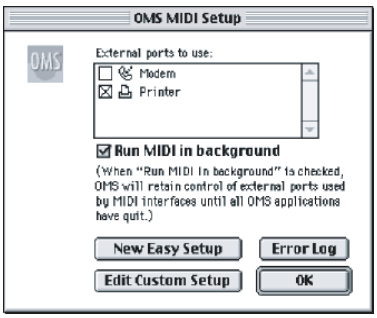
6

En el menú **Edit**, seleccione **OMS MIDI Setup**.

En el cuadro de diálogo **OMS MIDI Setup** que aparece, seleccione **Run MIDI in background** y haga clic en **[OK]**.


OMS MIDI Setup
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Modem Port file

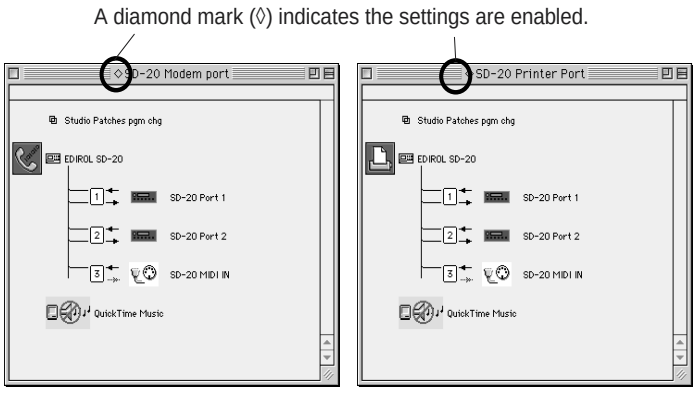

OMS MIDI Setup
External ports to use:
Modem
Printer
Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)
New Easy Setup
Error Log
Edit Custom Setup
OK

Opening the SD-20 Printer Port file

7

En el menú **File**, elija **Make Current**.

Si no puede seleccionar **Make Current**, significa que ya se ha aplicado y puede continuar con el siguiente paso.



Opening the SD-20 Modem Port file

Opening the SD-20 Printer Port file

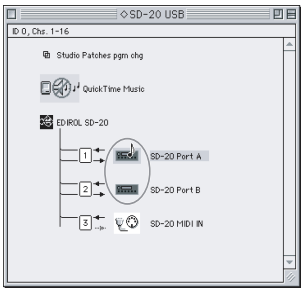
8

Compruebe que la transmisión y la recepción MIDI se realicen correctamente. En el menú **Studio**, seleccione **Test Studio**.

9

Cuando mueve el cursor del ratón cerca del icono del generador de sonido, el cursor se convierte en una ♪.

Haga clic en los iconos del generador de sonido rodeados por un círculo en la siguiente ilustración. Si se oye sonido del SD-20, la configuración es correcta. Si no se transmite MIDI, oirá el sonido de alerta del Macintosh.



¿Se mueve el indicador de nivel de salida (OUTPUT) del SD-20?

Si el medidor de nivel OUTPUT de la pantalla del SD-20 se mueve pero no oye ningún sonido, compruebe si se ha bajado el volumen del SD-20 o sus altavoces. Si el medidor de nivel OUTPUT no se mueve, vuelva a comprobar las conexiones y la configuración de OMS.
Una vez realizada la configuración correcta, vuelva a seleccionar **Test** del menú **Studio** y lleve a cabo el **paso 9**.

MEMO

Si el SD-20 no emite ningún sonido, consulte el apartado **No sound** (pág. 237).

10

Salga de OMS Setup.

En el menú **File**, elija **[Exit]**. Si aparece el cuadro de diálogo **AppleTalk confirmation**, haga clic en **[OK]** para cerrarlo.

Con esto finalizan las conexiones del SD-20 y el Macintosh y la instalación del controlador MIDI. Ya está listo para recibir y enviar (grabar y reproducir) datos MIDI.

■ Instalación del controlador SD-20 (FreeMIDI)

Lleve a cabo el siguiente procedimiento para instalar el controlador SD-20. El **controlador FreeMIDI de SD-20** que se incluye es un módulo añadido para utilizar el SD-20 con FreeMIDI. Para poder utilizarlo, **FreeMIDI ya debe estar instalado en el disco duro desde el que inició la sesión**.

1

Salga de todo el software que se esté ejecutando (aplicaciones).

Si utiliza software como programas antivirus, debe cerrarlo también.

2

Prepare el CD-ROM.

Coloque el CD-ROM en la unidad de CD-ROM.

3

Haga doble clic en el icono **SD-20 Serial Installer** (que se encuentra en la carpeta **Driver - FreeMIDI Driver - Serial Connection** del CD-ROM) para iniciar el instalador.

4

Haga clic en **[Install]**.

5

Aparecerá un cuadro de diálogo que le informará de que debe reiniciar el Macintosh cuando finalice la instalación. Haga clic en **[Continue]**.

6

Cuando haya finalizado la instalación, haga clic en **[Restart]**.

Configuración de FreeMIDI

1

Desde el CD-ROM, copie la carpeta **Driver - FreeMIDI Driver - Settings** en el disco duro del Macintosh.

2

Abra la carpeta FreeMIDI Applications desde la ubicación en la que ha instalado FreeMIDI y haga doble clic en el icono **FreeMIDI Setup** para iniciarlo.

3

Cuando aparezca "**OMS is installed on this computer...**", haga clic en **[FreeMIDI]**.

4

La primera vez que inicie el software, aparecerá el cuadro de diálogo "**Welcome to FreeMIDI!**". Haga clic en **[Continue]**.

5

Cuando aparezca el cuadro de diálogo **FreeMIDI Preferences**, haga clic en **[Cancel]**.

6

Cuando aparezca el cuadro de diálogo **About Quick Setup**, haga clic en **[Cancel]**.

7

En el menú **File**, elija **Open**.

Abra la carpeta **FreeMIDI Settings** copiada en el **Paso 1**, seleccione el nombre del puerto en el que esté conectado el SD-20 y haga clic en **[Open]**.

8

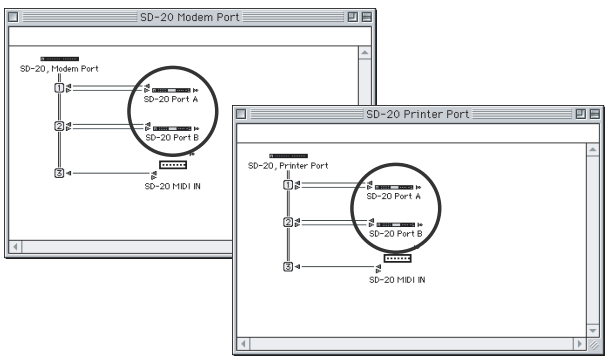
Compruebe que la transmisión y la recepción MIDI se realicen correctamente.

En el menú **MIDI**, seleccione **Check Connections**.

9

El cursor del ratón se convertirá en una nota. Haga clic en los iconos del generador de sonido rodeados por un círculo en el diagrama de la derecha.

Si oye sonido, los mensajes MIDI se están transmitiendo del Macintosh al SD-20.



¿Se mueve el indicador de nivel de salida (OUTPUT) del SD-20?

Si el medidor de nivel OUTPUT de la pantalla del SD-20 se mueve pero no oye ningún sonido, compruebe si se ha bajado el volumen del SD-20 o sus altavoces. Si el medidor de nivel OUTPUT no se mueve, vuelva a comprobar las conexiones y la configuración de OMS.
Una vez realizada la configuración correcta, vuelva a seleccionar **Test** del menú **Studio** y lleve a cabo el **paso 9**.

MEMO

Si el SD-20 no emite ningún sonido, consulte el apartado **No sound** (pág. 237).

10 Vuelva a elegir el comando de menú **MIDI Check Connections** para finalizar la prueba.

11 En el menú **File**, seleccione Quit para salir de **FreeMIDI Setup**.

Con esto finalizan las conexiones del SD-20 y el Macintosh y la instalación del controlador MIDI. Ya está listo para recibir y enviar (grabar y reproducir) datos MIDI.

Troubleshooting

If an unexpected problem occurs while using the SD-20, read this chapter first. It contains numerous tips for resolving problems.
If you are using Windows or Macintosh for the first time, and as a result find it difficult to follow the procedural explanations, please refer to the manuals that came with your computer or operating system.

Troubleshooting is organized according to different operating systems. Refer to the icon(s) at the left of the title to find the items you need.

Problems common to Windows and Macintosh

Problems occurring only in Windows

Problems occurring only in Macintosh

Problems related to the USB driver

Cannot install the driver correctly

- **Is the CD-ROM correctly inserted into your CD-ROM drive?**
  Installation is not possible unless the CD-ROM included with the SD-20 is inserted in your CD-ROM drive. Make sure that the CD-ROM is correctly inserted into your CD-ROM drive.
- **Is the CD-ROM or the lens of the CD-ROM dirty?**
  If the CD-ROM or the lens of the CD-ROM drive is dirty, the installer may not work correctly. Clean the disc and / or lens using a commercially-available CD cleaner or lens cleaner.
- **Are you installing the software from a networked CD-ROM drive?**
  The software cannot be installed from a networked CD-ROM drive.
- **Is there sufficient free space on your hard disk?**
  Delete unneeded files to increase the amount of free space. After deleting the unneeded files, empty the recycling bin.
- **Is the SD-20 connected correctly?**
  Make sure that the USB connector of your computer is connected to the SD-20 by a USB cable. Check this, and if you are using Windows, close the **Sound and Multimedia Properties** dialog box (**Multimedia** Properties in Windows 98), re-open the same dialog box once again, and specify the audio and MIDI input / output destinations.
  (**"Settings and checking"** (p. 39))
- **Is the power of the SD-20 turned on?**
  Make sure that the SD-20's POWER switch has been pressed inward. Check this, and if you are using Windows, close the **Sound and Multimedia Properties** dialog box (**Multimedia Properties** in Windows 98), re-open the same dialog box once again, and specify the MIDI input / output destinations.

Windows

- Using the procedure for **"Deleting the driver"** (p. 240), delete the USB audio device driver installed in your computer, and then re-install the SD-20 driver as described in **"Getting connected and installing drivers (Windows)"** (p. 17). Also check whether there is any "**Unknown device**" in "**Other devices**" or "**Universal Serial Bus Controllers**." If you find any, delete them.

Macintosh

- **Is OMS or FreeMIDI installed?**
  The SD-20 driver cannot be installed unless **OMS** or **FreeMIDI** are installed. Please install **OMS** or **FreeMIDI**. (OMS -> p. 45, p. 51 FreeMIDI -> p. 49, p. 56)

Macintosh SD-20 is not detected when making OMS or FreeMIDI settings

- **Is the SD-20 detected?**
  Turn the power of the SD-20 off, then on again.

  Reconnect the USB cable.

  If other USB devices are connected, connect only the SD-20.

  It is possible that the Macintosh did not correctly detect and initialize the SD-20. Leave the SD-20's USB cable connected, and restart your Macintosh. If it is still not detected, shut down your Macintosh, and then restart it.

  The SD-20 will not be detected if it is connected to the USB connector on the Macintosh keyboard. Please connect the SD-20 to a USB connector on the Macintosh itself.

- **Are you using only OMS?**
  If you are using OMS, the system will not operate correctly if FreeMIDI is installed. Delete FreeMIDI-related files from the Extensions folder.

Windows An “Unknown driver found” dialog box appears, and you are unable to install the driver

Windows ”Find new hardware wizard” does not execute automatically

Windows ”Find new hardware wizard” ends before the process is completed

- **It may take about 15 seconds (or more) after the USB cable is connected for the SD-20 to be detected.**
- **Is the USB cable connected correctly?**
  Make sure that the SD-20 and your computer are correctly connected via a USB cable.
- **Is USB enabled on your computer?**
  Refer to the operation manual for your computer, and make sure that USB is enabled.
- **Does your computer meet the USB specifications?**
  If you are using a computer that does not fulfill the electrical requirements of the USB specifications, operation may be unstable. In this case, you may be able to solve the problem by connecting a USB hub.
- **Does “Unknown device” appear for “Other device” or “Universal serial bus controller”?**
  Use the following procedure to delete “**Other device**” (Universal Serial Bus Controller) “**Unknown device**,” and then restart your computer.

  1. In the Windows **Control Panel**, double-click System. The **System Properties** dialog box will appear.
  2. Click the **Device Manager** tab. For Windows XP / 2000, click the **Hardware** tab, and then click the **[Device Manager]** button.
  3. Double-click “**Other device**” or “**Universal Serial Bus Controller**” to display a list of devices.
  4. From the list, select the unknown device and click **[Delete]**.
  5. In the dialog box that asks you to confirm the deletion, click **[OK]**.
  6. Verify that “**Other device**” or “**Unknown device**” is not displayed in the list, and click **[Close]** to close the dialog box.

Windows ”Found unknown device” appears even though you installed the driver

If your computer or USB hub has two or more USB connectors, and you connect the SD-20 to a USB connector to which the SD-20 has never been connected before, the “**Unknown device**” dialog box may appear even on a computer onto which you have already installed the driver.
Refer to **"Getting connected and installing drivers (Windows)"** (p. 17), and install the driver once again. This is not a malfunction.

Windows Can't install/delete/use the driver in Windows XP/2000

- **Did you log on to Windows as a user with administrative privileges?**
  In order to install / delete / re-install the driver in Windows XP / 2000, you must be logged into Windows as a user with administrative privileges, such as Administrator. For details, please contact the system administrator for your computer system.
- **Did you make "Driver signature settings"?**
  In order to install / re-install the driver, you must make "**Driver Signing**."
  (Windows XP -> p. 18, Windows 2000 -> p. 23)

Windows Windows XP/2000 displays a "Digital signature was not found" dialog box

- **Did you make "Driver signature settings"?**
  In order to install / re-install the driver, you must make the settings described in "**Driver Signing**."
  (Windows XP -> p. 18, Windows 2000 -> p. 23)

Windows Device Manager shows "?", "!", or "USB Composite Device"

Windows The "Insert Disk" dialog box does not appear

Use the following procedure to re-install the driver.

1. Turn off the power of your computer, and start up Windows with all USB cables disconnected (except for keyboard and mouse).
2. After Windows restarts, use a USB cable to connect the SD-20 to your computer.
3. Turn on the power of SD-20.
4. Click the Windows **[Start]** button, and from the menu that appears, choose **Settings | Control Panel**.
5. Double-click the **System** icon. The **System Properties** dialog box will appear.
6. Click the **Device Manager** tab.
7. Check whether you can see an indication of "**?Composite USB Device**, **?USB Device**, **!USB Device**," or "**USB composite device**" displayed below "**Sound, Video, and Game Controllers**, **Other Devices**," or "**Universal Serial Bus Controller**." If you find any such indication, select it and click **[Delete]**.
8. A dialog box will ask you to confirm deletion of the device. Verify the contents of the dialog box, and then click **[OK]**. In the same way, delete all indications of "**?Composite USB Device**," "**?USB Device**," "**USB Device**," and "**USB composite device**" that you find.
9. If you find **EDIROL SD-20** USB Driver with a yellow "**!**" or a red "**?**" displayed beside it, delete this in the same way.
10. When you have finished deleting the unwanted devices, click **[OK]** in the **System Properties** dialog box.
11. Turn off the power of the SD-20, then delete the driver. **"Deleting the driver"** (p. 240)

12. Restart Windows. Then install the driver once again.**"Getting connected and installing drivers (Windows)"** (p. 17).

* *If the problem still occurs after you have taken the above measures, please refer also to the Readme file for the USB driver. The Readme file is on the CD-ROM.*

[Location]

Windows 2000 users:

In the CD-ROM,

Driver\Win2000\WDM\README_E (if using the WDM driver)
Driver\Win2000\MME\README_E (if using the MME driver)

Windows Me/98 users:

In the CD-ROM,

Driver\Win98ME\WDM\README_E

Problems when using the SD-20

Operating system becomes unstable

- **Operation becomes unstable when the computer is started up with the SD-20 already connected**
  Please start up your computer with the SD-20 disconnected, and then connect the SD-20. On a computer that uses a USB keyboard, starting up the computer with the SD-20 already connected may cause operation to become unstable. In this case, start up the computer with the SD-20 disconnected, and then connect the SD-20.

The volume level of the instrument connected to INPUT Jack is too low.

- **Could you be using a connection cable that contains a resistor?**
  Use a connection cable that does not contain a resistor.

No sound

- **Have you specified the MIDI data output destination in your operating system?**
  On your computer, you will need to specify the SD-20 as the output destination for MIDI data. For details on how to make this setting, refer to Settings and checking.
  (Windows -> (p. 29) , Macintosh -> (p. 46, p. 49, p. 52, p. 56)
- **Have you specified the audio data output destination for your playback software?**
  Depending on your software, you may need to once again specify the SD-20 as the MIDI data output destination. For details on this setting, refer to the operation manual for your application.
- **Are you running multiple applications?**
  If multiple applications are running simultaneously, an error message may be displayed. If this occurs, click **[OK]** and exit the other applications.
  Even if an application window is closed, it is still running if it appears in the taskbar. Be sure to exit unneeded applications displayed in the taskbar.
- **Was the driver installed correctly?**
  In order for you to play back MIDI data via the SD-20, the driver must be installed. For installation and settings, refer to "**Getting Connected and Installing Drivers**" (Windows, p. 17 / Macintosh, p. 43).
- **Is your audio playback equipment (e.g., stereo system) connected correctly?**
  Make sure that the USB connector of your computer is connected to the SD-20 by a USB cable. Make sure that the SD-20's **OUTPUT** jacks are connected by audio cables to the input jacks of your audio playback equipment. For details on connections, refer to **"Basic connections"** (p. 13).
- **Is the power of your audio equipment turned on?**
  Make sure that the power is turned on for your audio equipment (e.g., stereo) and the SD-20.
- **Are the various volume settings of the SD-20 set appropriately?**
  Use the **Volume knob** located on the front panel of the SD-20 to adjust the volume.
- **Is your computer in Suspend or Sleep mode?**
  If so, get your computer to resume normal operation, then exit all applications that are using the SD-20. Next, turn the SD-20's power off, then switch it on again.
- **Did you reconnect the USB cable or turn the power of the SD-20 off and on?**
  Exit all applications that are using the SD-20, and turn the power of the SD-20 off and then on once again.

Macintosh

- **Is OMS/FreeMIDI set correctly?**
  As described in **"OMS settings"** (p. 46), (p. 52) or **"FreeMIDI settings"** (p. 49), (p. 56) check the OMS or FreeMIDI settings. Also make sure that the device for MIDI IN / OUT is correctly selected in the MIDI settings of your MIDI sequencer software.

Windows Macintosh

- **Does the OUTPUT level indicator of the SD-20 move?**
  If the INST level meter is moving but you do not hear sound, check whether the volume of the SD-20 or your speakers has been lowered. If the INST level meter of the SD-20 is not moving, recheck the connections and **"OMS settings"** (p. 46), (p. 52) / **"FreeMIDI settings"** (p. 49), (p. 56).

Macintosh

- **Check the Apple Talk settings (if the SD-20 is connected via a serial connection).**
  If you are using a Macintosh on which Open Transport is installed, and which does not have an Ethernet port, input / output via OMS will not be possible (if the internal Local Talk port is being used). If you are using this type of system, reconnect the SD-20 to the modem port, or turn Apple Talk off and restart your Macintosh.

Macintosh

- **Is the OMS setup enabled?**
  If a diamond-shaped symbol is not displayed at the left edge of the title area in the OMS setup window, the setup is not enabled. From the OMS File menu, choose "**Make Current**."
  (**"OMS settings"** (p. 46), (p. 52))

Windows Macintosh

- **Has your computer been set to enter Sleep mode?**
  If your computer enters Sleep mode, exit the software you are using, and then restart your computer. We recommend that you set your computer to not use Sleep mode.

Can't play back MIDI

Windows

- **Has the MIDI device you are using been set correctly?**
  In order to record / play MIDI tracks using the SD-20, you must correctly install the SD-20 driver (**"Getting connected and installing drivers (Windows)"** (p. 17)). Also make sure that the input port and output port are set as follows in your software.

INPUT port	OUTPUT port
EDIROL SD-20 MIDI IN 1	EDIROL SD-20 PART A
EDIROL SD-20 MIDI IN 2	EDIROL SD-20 PART B

Macintosh

- **Has the MIDI device you are using been selected correctly?**
  Select either **[SD-20 Port A]** or **[SD-20 Port B]** as the MIDI output device. MIDI will not be output if you select **[EDIROL SD-20]**.

Windows

- **Is the serial port selected correctly?**
  It is possible that the serial port (COM port) you selected in the Roland Serial MIDI Driver Settings dialog box is being used by another device, or has not been detected by the system.
  Connect the SD-20 to a different serial port, and change the settings appropriately. ->**"Settings and checking"** (p. 39)

Windows Macintosh

- **Are the track outputs set correctly?**
  MIDI tracks to which no MIDI playback device is assigned will not be heard. If you want to play back a MIDI track, you must make sure that the MIDI device you want to use is displayed in your software as the MIDI output port. For details, refer to the owner's manual for your software.

Windows Macintosh

- **Is it possible that you have the Computer switch set to MIDI, even though the SD-20 is connected via USB?**
  If you intend to use a USB connection, set the Computer switch to USB.
  You must not use a USB cable to connect the SD-20 to your computer if the Computer switch remains set at MIDI.

Deleting the driver

If you were unable to install the driver according to the procedure given, the SD-20 may not be recognized correctly by the computer. In this case, use the following procedure to delete the driver, and then follow the procedure in "**Getting Connected and Installing Drivers**" (Windows, p. 17; Macintosh, p. 43) to install the driver once again.

Windows XP/2000 users

In order to delete (uninstall) the driver, a user with **administrative privileges** such as **Administrator** must be logged onto Windows. For details, contact the system administrator of your computer.

1. With all USB cables disconnected, start Windows. (USB keyboard and USB mouse excepted)
2. Log on to Windows as a user with **administrative privileges** (such as **Administrator**).
3. After connecting the SD-20 to your computer via a USB cable, turn on the power of the SD-20.
4. Exit all applications before deleting the driver.
5. Open the **Control Panel**, and double-click **System**.
6. Click the **Hardware** tab, and in the "**Device Manager**" area, click **[Device Manager]**.
7. Double-click "**Sound, Video, and Game Controllers**" to view the **list of devices**.
8. From the list, click "EDIROL SD-20" to select it. Then right-click, and from the menu that appears, select "Delete."
   * *If "**EDIROL SD-20**" does not appear in the list, refer to the **"Can't install/delete/use the driver in Windows XP/2000"** (p. 235) in "**Troubleshooting**."*
9. A dialog box will ask you to confirm that you want to delete the device. Verify the contents of the dialog box, and click **[OK]**.
10. Close the **Device Manager** window, and click **[OK]** in **System Properties**.
11. Disconnect the USB cable from the SD-20.
12. Restart Windows.

Windows Me/98 users

1. With all USB cables disconnected, start up Windows. (USB keyboard and USB mouse excepted)
2. After connecting the SD-20 to your computer via a USB cable, turn on the power of the SD-20.
3. Exit all applications before deleting the driver.
4. Open the **Control Panel**, and double-click **System**.
   * *Depending on the state of your computer, **System** may not appear in the **Control Panel**. In this case, click "**Show all control panel options**."*
5. Click the **Device Manager** tab.
6. Double-click "**Sound, video, and game controllers**" to see a list of devices.
7. From the list, click "**EDIROL SD-20**" to select it, and click **[Delete]**.
8. A dialog box will appear, asking you to confirm that you want to **delete the driver**. Verify the contents, and click **[OK]**.
9. Click **[Close]** to close System Properties.
10. Disconnect the USB cable from the SD-20.
11. In **Control Panel**, click **Folder Options** and then click the **Display** tab. (In Windows 98, click **Start | Settings | Folder Options**)
12. In **Detailed Settings** of the **Display** tab, remove the check mark for "**Don't display extensions of associated files**," click "**Show all files and folders**," and then click **[OK]**. (In Windows 98, this will be "**Show all files**.")
13. Click Start | Find | Files or folders.
14. In "Search location," select "Local hard drive." Then in "Name of file or folder," type "*0022.*" and click [Begin search].
15. Of the files that are found, delete the five files **Rdas0022.DLL**, **Rddp0022.dat**, **Rddv0022.drv**, **Rdvx0022.vxd**, and R**dwm0022.sys**. If the list shows Rdif0022.inf or **RolandRDIF0022.INF**, delete these files as well.
    * *Never delete any file other then the files specified here.*
16. Restart Windows.

Macintosh users

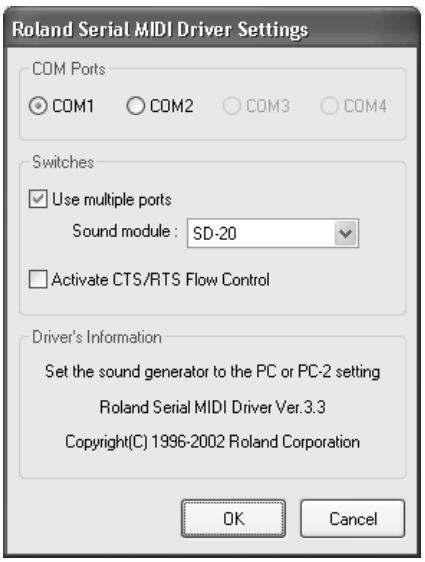
1. Switch off the SD-20's power.
   If you're running the SD-20 on BUS power, disconnect the USB cable that connects the SD-20 to the Macintosh.
2. From the system extensions folder, drag "**USB SD-20 Driver**" into the trash to delete it.
3. Delete the **SD-20** from the **OMS Folder** inside the **System folder**, or delete **SD-20 Driver** from the **FreeMIDI Folder**.

Serial MIDI driver settings

The serial MIDI driver must be set appropriately for your computer and for the MIDI sound module that is connected. If the sound module does not produce sound, use the following procedure to make settings for the Roland serial MIDI driver.

Windows XP and 2000 users

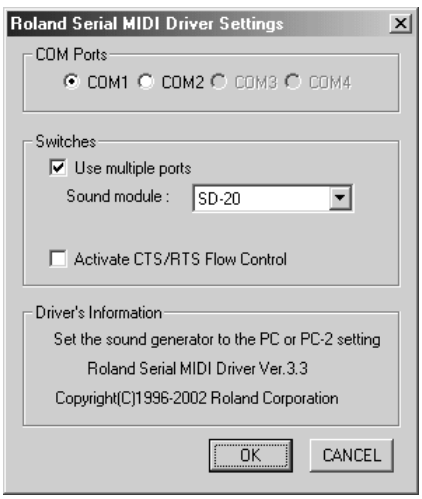
1. In the **Control Panel**, double-click **Sound and Audio Devices**.
   (**Sound and Multimedia** in the case of Windows 2000.)
2. Click the **Hardware** tab.
3. From the list of devices, choose **Roland Serial MIDI Driver**, and click **[Properties]**.
4. In the **Roland Serial MIDI Driver Properties** dialog box, click the **Properties** tab.
5. In the list of **multimedia devices**, double-click **MIDI Devices and Instruments**. Under that, select **Roland Serial MIDI Driver**, and click **[Properties]**.
6. In the **Roland Serial MIDI Driver Properties** dialog box, click **[Settings]**.
7. The **Roland Serial MIDI Driver Settings** dialog box will appear.



Make settings for each item as described on the next page and following.

Windows Me and Windows 98 users

1. In the **Control Panel**, double-click the **Sound and Multimedia** icon.
   (**Multimedia** in the case of Windows 98.)
2. Click the **Device** tab.
3. Double-click **[MIDI Devices and Instruments]**. Under that, click **[Roland Serial MIDI Out A]**.
4. In the lower right of the dialog box, click **[Properties]**.
5. In the **Roland Serial MIDI Out A** Properties dialog box, click **[Settings]**.
6. The **Roland Serial MIDI Driver Settings** dialog box will appear.



Make settings for each item as described on the next page and following.

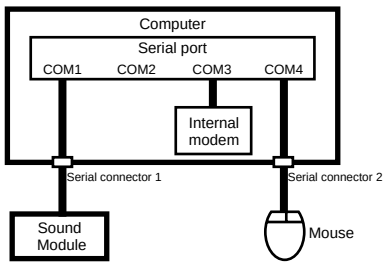
■ Which serial port should I use?

Most computers let you use up to four serial ports (COM1--COM4).

In the "**COM Ports**" field, select the serial port (COM port) that you will use to connect your sound module.

Be aware of two points.

- You must use a serial port that is not being used by another device.
- You must use the serial port that corresponds to the serial connector to which your sound module is connected.



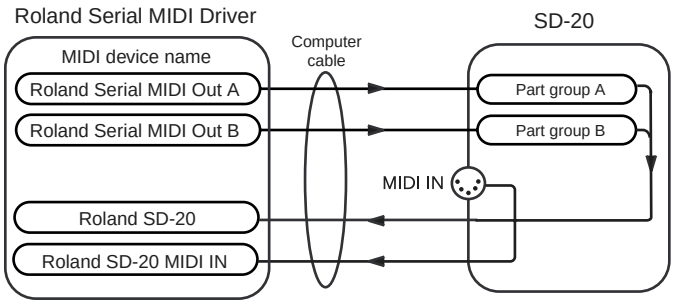
In the diagram at left, COM3 and Com4 are already used by other devices, and cannot be used for the serial MIDI driver. COM1 and COM2 are not used by any other device, but in this case, the serial connector corresponds to COM1, so you should select **COM1** in the "**COM Ports**" field.

To determine which serial port corresponds to the serial connector to which your sound module is connected, refer to the owner's manual for your computer or contact the manufacturer of your computer. Depending on the internal connections of your computer, the serial connector may not be connected to any of the serial ports (COM1--COM4). In this case, refer to the owner's manual for your computer, and change the settings.

■ How many MIDI OUT ports can I use?

If **[Use multiple ports]** is checked, you will be able to use the multiple ports of the SD-20 from your computer via the Roland serial MIDI driver.

When you use multiple ports, you will be able to use two MIDI OUT devices and two MIDI IN devices from your computer.



Select [SD-20] in the "Sound module" field. With this setting, you will be able to use two MIDI OUT ports and two MIDI IN ports from your computer.

■ Using flow control

The SD-20 supports CTS / RTS Flow Control, a control function that temporarily pauses data transmission / reception. By checking **[Activate CTS/RTS Flow Control]**, you may be able to avoid problems with transmitting performance data.

■ Setting the computer switch of the sound module

Set the computer switch of the SD-20 sound module to [PC], as directed by the comment in the "Driver's Information" area. If you change the setting of the computer switch, you need to switch off the sound module, then turn it on again. The change in the computer switch setting won't take effect until the next time the unit is powered up.

■ Specifying the MIDI data output destination

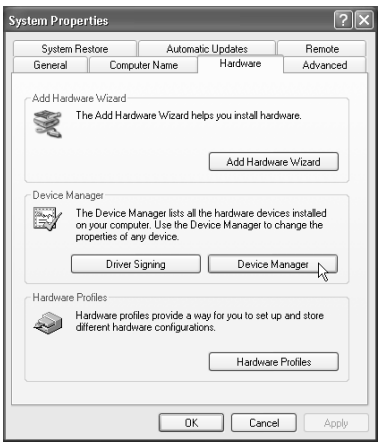
The MIDI data output destination (MIDI output device) setting may be inadvertently changed when you install another MIDI driver.

If the sound module connected to your computer fails to sound, or if you decide to use a different output device, you can change this setting as necessary. (->**"Settings and checking"** (p. 39))

Uninstalling the serial MIDI driver

Windows XP and 2000 users

1. Log on to Windows as a user with **administrative privileges** (e.g., Administrator).
2. Open the **System Properties** dialog box.
   Right-click the **My Computer** icon, and in the menu that appears, select **Properties**. In Windows XP, **My Computer** is located in the **Start** menu.
3. Click the **Hardware** tab.
4. In the **Device Manager** area, click **[Device Manager]**.



5. Double-click "**Sound, video and game controllers**." A list of device will appear.
6. Right click "Roland Serial MIDI Driver," and choose Uninstall from the menu that appears.

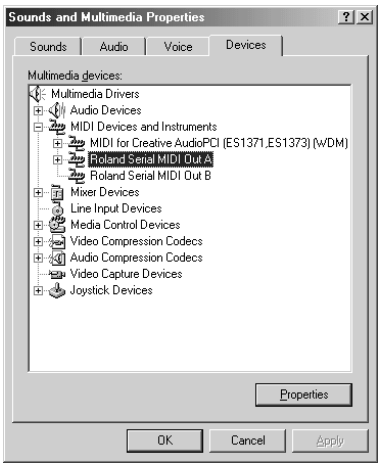
7. A dialog box will ask you to confirm device removal. Click **[OK]**.
8. Close the Device Manager, and click **[OK]** in the System Properties dialog box.
9. Restart Windows.

Confirm Device Removal
Roland Serial MIDI Driver
Warning: You are about to uninstall this device from your system.
OK
Cancel

When Windows restarts, the serial MIDI driver will be deleted.

Windows Me and Windows 98 users

1. From the Windows **Start** menu, select Settings, and then select the **Control Panel**.
2. Double-click the **Sound and Multimedia** icon. The **Sound and Multimedia Properties** dialog box will appear. (**Multimedia**, in the case of Windows 98.)
3. Access the **[Devices]** screen.
4. In the list, double-click **[MIDI Devices and Instruments]**.
5. Click **[Roland Serial MIDI Out A]**, and then click **[Properties]** in the lower right of the dialog box. The **Roland Serial MIDI Out A Properties** dialog box will appear.



6. In the lower right of the dialog box, click **[Remove]**.
   Several dialog boxes will appear, asking you to confirm the operation.

When Windows restarts, the serial MIDI driver will be deleted.

Macintosh users

1. Switch off the SD-20's power.
   If you're running the SD-20 on BUS power, disconnect the USB cable that connects the SD-20 to the Macintosh.
2. Delete the **SD-20 Serial Driver** from the **OMS Folder** inside the **System folder**, or delete **SD-20 Serial** from the **FreeMIDI Folder**.

Appendices

Instrument list (GM2 / Native mode)

* *To select sound sets, you can use either NRPN or exclusive messages.*

Piano

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
1	**0**	**Piano 1**	**1**	**Ac.Piano**	**1**	**St.Piano 1**	**2**
	1	Piano 1w	1	Ac.Piano w	1	St.Piano 1w	2
	2	Piano 1d	1	Mild Piano	1	European Pf	4
2	**0**	**Piano 2**	**1**	**Rock Piano**	**1**	**St.Piano 2**	**2**
	1	Piano 2w	1	Rock Piano w	1	St.Piano 2w	2
3	**0**	**Piano 3**	**1**	**E.Grand Pf**	**2**	**SA Piano**	**2**
	1	Piano 3w	1	E.Grand Pf w	2	SA Piano w	2
4	**0**	**Honky-tonk**	**2**	**Old Honky**	**2**	**St.Honky**	**4**
	1	Honky-tonk w	2	Old Honky w	2	St.Honky w	4
5	**0**	**E.Piano 1**	**3**	**Soft Rhodes**	**2**	**Tremo Rhodes**	**2**
	1	Detuned EP1	2	Fat Rhodes	3	Sweet Tynes	3
	2	Dyno Rhodes	1	Rhodes Wide	2	Tremo Dyno	4
	3	60's E.Piano	2	Wurly Soft	2	Tremo Wurly	2
6	**0**	**E.Piano 2**	**2**	**FM E.Piano**	**2**	**FM Hard EP**	**1**
	1	Detuned EP2	3	Soft FM EP	3	Brite FM EP	2
	2	E.Piano 2v	2	SA E.Piano	2	Brite FM EP2	2
	3	EP Legend	2	EP Legend 2	3	EP Legend 3	4
	4	EP Phase	2	EP Phase 2	2	EP Phase 3	3
7	**0**	**Harpsichord**	**1**	**Harpsi 2**	**2**	**St.Harpsichd**	**2**
	1	Coupl hps	2	Coupl hps 2	4	St.Coupl hps	4
	2	Harpsi w	1	Harpsi 2 w	2	St.Harpsi w	2
	3	Harpsi o	1	Harpsi 2 o	2	St.Harpsi o	2
8	**0**	**Clav**	**1**	**Atack Clav 1**	**2**	**Atack Clav 2**	**2**
	1	Pulse Clav	1	AnalogClav 1	1	AnalogClav 2	2

Chromatic percussion

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
9	**0**	**Celesta**	**1**	**Celesta 2**	**2**	**St.Celesta**	**3**
10	**0**	**Glockenspiel**	**1**	**Glocken 2**	**2**	**St.Glocken**	**3**
11	**0**	**Music Box**	**1**	**Music Box 2**	**2**	**St.Music Box**	**3**
12	**0**	**Vibraphone**	**1**	**Vibraphone 2**	**2**	**St.Vibra**	**2**
	1	Vibraphone w	1	Vibraphone2w	2	St.Vibra w	2
13	**0**	**Marimba**	**1**	**Marimba 2**	**2**	**St.Marimba**	**3**
	1	Marimba w	1	Marimba 2 w	2	St.Marimba w	3
14	**0**	**Xylophone**	**1**	**Xylophone 2**	**2**	**St.Xylophone**	**4**
15	**0**	**Tubular-bell**	**1**	**Tubular-bel2**	**2**	**St.Tubular**	**3**
	1	Church Bell	1	Church Bell2	2	St.Church	4
	2	Carillon	1	Carillon 2	2	St.Carillon	4
16	**0**	**Santur**	**1**	**Santur 2**	**2**	**St.Santur**	**3**

Organ

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
17	**0**	**Organ 1**	**2**	**Perky**	**2**	**Roller**	**3**
	1	Detuned Or1	2	Ballad B	3	Rocker	4
	2	Organ 60	1	Happy 60s	1	Soft60'Organ	1
	3	Organ 4	2	Tone Wheel	2	Full Stops	2
18	**0**	**Organ 2**	**2**	**Jazz Organ 1**	**3**	**Jazz Organ 2**	**2**
	1	Detuned Or2	2	Perc.Organ 1	3	Perc.Organ 2	3
	2	Organ 5	3	Dist.JzOrg 1	2	Dist.JzOrg 2	2
19	**0**	**Organ 3**	**1**	**Organ 3 fast**	**1**	**Rock Organ**	**3**
20	**0**	**Church 1**	**1**	**Pipe Organ 1**	**2**	**Pipe Organ 2**	**3**
	1	Church 2	2	LargeChurch1	4	LargeChurch2	3
	2	Church 3	1	SmallChurch1	2	SmallChurch2	4
21	**0**	**Reed Organ**	**1**	**Reed Organ 2**	**2**	**Reed Organ 3**	**3**
	1	Puff Organ	2	Organ Flute	1	Theater	4

22	**0**	**Accordion F**	**1**	**French Acc**	**2**	**St.FrenchAcc**	**3**
	1	Accordion I	1	It Muset	2	St.It Muset	3
23	**0**	**Harmonica**	**1**	**Harmonica 2**	**1**	**St.Harmonica**	**3**
24	**0**	**Bandneon**	**2**	**Bandneon 1**	**2**	**St.Bandneon**	**4**

Guitar

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
25	**0**	**Nylon Gt**	**1**	**Nylon Gt 2**	**1**	**Nylon Gt 3**	**1**
	1	Ukulele	1	Ukulele 2	1	Ukulele 3	1
	2	Nylon o	2	Nylon 2 o	2	Nylon 3 o	2
	3	Nylon Gt.2	1	Hard Gut Gt	1	Hard Gut Gt2	2
26	**0**	**Steel-str.Gt**	**1**	**OV Steel Gt**	**1**	**SteelStr.Gt2**	**1**
	1	12-Str.Gt	2	12-Str.Gt 2	2	12-Str.Gt 3	3
	2	Mandolin	2	Mandolin 2	2	Mandolin 3	2
	3	Steel+Body	2	Steel+Body 2	2	Steel+Body 3	2
27	**0**	**Jazz Gt**	**1**	**Jazz Gt 2**	**1**	**Jazz Gt 3**	**1**
	1	Pedal Steel	1	Pedal Steel2	2	Pedal Steel3	2
28	**0**	**Clean Rear**	**1**	**TC Rear**	**1**	**Strat2 Rear**	**1**
	1	Clean Half	1	TC Front	1	Chorus Clean	2
	2	Mid Tone Gt	1	TC Front 2	1	335	1
29	**0**	**Muted Gt**	**1**	**TC Mute Gt**	**1**	**TC Mute Gt 2**	**2**
	1	Funk Gt	1	FunkGt Slap	2	FunkGt.Slap2	2
	2	Funk Gt 2	1	Funk Pop	1	Funk Pop 2	2
	3	Jazz Man	2	Mute Jazz Gt	2	Slap Jazz Gt	1
30	**0**	**Overdrive Gt**	**1**	**Atk Drive Gt**	**2**	**OverdriveGt2**	**2**
	1	Gt.Pinch	1	Gt.Pinch 2	1	Gt.Pinch 3	2
31	**0**	**DistortionGt**	**1**	**Atk Dist Gt**	**2**	**Dist.Gt 2**	**2**
	1	Feedback Gt	2	FeedbackGt 2	3	Feedback OD	3
	2	DistRythm Gt	1	Muted Dist	2	Muted Dist 2	2
32	**0**	**Gt.Harmonics**	**1**	**Gt.Harm 2**	**2**	**Gt.OctHarm**	**2**
	1	Gt.Feedback	1	FeedbackOct	2	FeedbackHarm	2

Bass

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
33	**0**	**Acoustic Bs**	**1**	**Rockabilly**	**2**	**Fat Aco.Bass**	**2**
34	**0**	**Fingered Bs**	**1**	**Fingered Bs2**	**1**	**Jazz Bass**	**1**
	1	FingerJ.Bass	2	FingerP.Bass	2	Finger Slap	2
35	**0**	**Picked Bass**	**1**	**Picked Jz Bs**	**1**	**Picking Bass**	**2**
36	**0**	**Fretless Bs**	**1**	**Fretless Bs2**	**2**	**PhaseFrtless**	**3**
37	**0**	**Slap Bass 1**	**1**	**Slap Pop 1**	**1**	**Jazz Slap**	**2**
38	**0**	**Slap Bass 2**	**2**	**Funky Slap**	**2**	**Slap Pop 2**	**2**
39	**0**	**Synth Bass 1**	**2**	**MG303 Bass**	**2**	**Fat Syn.Bass**	**2**
	1	SynthBass101	1	MG Bass	1	SynthSaw Bs	1
	2	Acid Bass	1	MG Acid Bass	1	AcidBs Dirty	1
	3	Clavi Bass	2	Clavi Bass 2	2	Clavi Bass 3	2
	4	Hammer	2	OB Hammer	2	MG Hammer	2
40	**0**	**Synth Bass 2**	**2**	**Seq101 Bass**	**2**	**Sq SynthBass**	**2**
	1	Beef FM Bs	2	Beef Slap Bs	2	Beef Saw Bs	3
	2	Rubber Bass	2	Rubber Bass2	3	JpSaw Rubber	2
	3	Attack Pulse	1	Attack Saw	1	Attack MG Bs	2

Strings / orchestra

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
41	**0**	**Violin**	**1**	**Violin vib**	**1**	**Violin 2 vib**	**1**
	1	Slow Violin	1	Slow Vln vib	1	SlowVln2 vib	1
42	**0**	**Viola**	**1**	**Viola vib**	**1**	**Viola2 vib**	**1**
43	**0**	**Cello**	**1**	**Cello vib**	**1**	**Cello2 vib**	**1**
44	**0**	**Contrabass**	**1**	**Cb vib**	**1**	**Cb2 vib**	**1**
45	**0**	**Tremolo Str**	**2**	**Tremolo Str2**	**3**	**St.Trem Str**	**2**
46	**0**	**Pizzicato**	**1**	**Pizzicato 2**	**2**	**St.Pizzicato**	**3**
47	**0**	**Harp**	**1**	**Harp 2**	**2**	**St.Harp**	**3**
	1	Yangqin	1	Yangqin 2	2	St.Yangqin	3
48	**0**	**Timpani**	**1**	**Timpani 2**	**2**	**St.Timpani**	**3**

Ensemble

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
49	**0**	**Strings**	**2**	**Strings 2**	**3**	**St.Strings**	**2**
	1	Orchestra	2	Orchestra 2	3	St.Orchestra	4
	2	60'Strings	2	Oct.Strings	2	St.OctStr 1	4
50	**0**	**Slow Strings**	**1**	**SlowStrings2**	**2**	**St.Slow Str**	**2**
51	**0**	**Syn.Strings1**	**2**	**BriteSyn.Str**	**2**	**StackSyn.Str**	**3**
	1	Syn.Strings3	3	Oct.SynStr 1	4	Oct.SynStr 2	4
52	**0**	**Syn.Strings2**	**2**	**Warm SynStr1**	**4**	**Warm SynStr2**	**4**
53	**0**	**Choir Aahs**	**1**	**Large Choir**	**2**	**St.ChoirAahs**	**4**
	1	Choir Aahs 2	2	Small Choir	2	St.Sm Choir	2
54	**0**	**Voices Oohs**	**1**	**Voices Oohs 2**	**2**	**St.Vox Oohs**	**3**
	1	Hamming	2	Hamming 2	2	St.Hamming	4
55	**0**	**SynVox**	**1**	**SynVox 2**	**1**	**St.SynVox**	**2**
	1	Ana Voices	1	Ana Voices 2	1	Ana Voices 3	2
56	**0**	**Orchestrahit**	**2**	**Orc Hit 2**	**2**	**St.Orc Hit**	**3**
	1	Bass Hit	3	Bass Hit 2	2	St.Bass Hit	3
	2	6th Hit	2	6th Hit 2	2	St.6th Hit	4
	3	Euro Hit	2	Euro Hit 2	2	St.Euro Hit	4

Brass

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
57	**0**	**Trumpet**	**1**	**Solo Trumpet**	**1**	**Romantic Tp**	**1**
	1	Dark Trumpet	1	Mild Trumpet	2	Tp.Dark vib	1
58	**0**	**Trombone**	**1**	**Solo Bone**	**1**	**Trombone vib**	**1**
	1	Trombone 2	1	Solo Bone 2	1	Trombone2vib	1
	2	Brite Bone	1	Brite Bone 2	2	Br.Bone vib	2
59	**0**	**Tuba**	**1**	**Tuba 2**	**2**	**Tuba vib**	**2**
60	**0**	**MuteTrumpet**	**1**	**MuteTrumpet2**	**1**	**Solo MutedTp**	**2**
	1	MuteTrumpet2	1	Harmon Mute	2	Harmon Mute2	2
61	**0**	**French Horns**	**1**	**FrenchHorns2**	**2**	**St.Fr Horns**	**3**
	1	Fr.Horn	2	MildFr.Horns	2	St.Fr Horns2	3
62	**0**	**Brass 1**	**2**	**Brass FF**	**2**	**St.Brass**	**2**
	1	Brass 2	2	BrassSection	3	St.Brass 2	4
63	**0**	**SynthBrass 1**	**2**	**JP Syn.Brass**	**3**	**Hyper Brass**	**4**
	1	SynthBrass 3	2	JPSyn.Brass2	2	Stack Brass	4
	2	Oct.SynBrass	2	OctSynBrass2	3	OctSynBrass3	3
	3	Jump Brass	1	80's Brass	1	SuperSaw Brs	3
64	**0**	**SynthBrass 2**	**2**	**MG Syn.Horn**	**2**	**Warm SynHorn**	**3**
	1	SynthBrass 4	2	OB Syn.Horn	2	Rich SynHorn	4
	2	Velo Brass	2	CS Syn.Brass	2	P5 Syn.Brass	3

Reed

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
65	**0**	**Soprano Sax**	**1**	**Soprano Sax2**	**1**	**Sop.Sax vib**	**1**
66	**0**	**Alto Sax**	**1**	**Breathy Alto**	**1**	**AltoSoft vib**	**1**
67	**0**	**Tenor Sax**	**1**	**BreathyTenor**	**1**	**Blow Tenor**	**1**
68	**0**	**Bariton Sax**	**1**	**Barely Bari**	**1**	**Bari.Sax vib**	**1**
69	**0**	**Oboe**	**1**	**Brite Oboe**	**1**	**Classic Oboe**	**1**
70	**0**	**EnglishHorn**	**1**	**EnglishHorn2**	**1**	**E.Horn vib**	**2**
71	**0**	**Bassoon**	**1**	**Bassoon 2**	**1**	**Bassoon vib**	**1**
72	**0**	**Clarinet**	**1**	**Br.Clarinet**	**1**	**JazzClarinet**	**1**

Pipe

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
73	**0**	**Piccolo**	**1**	**Piccolo 2**	**1**	**Piccolo vib**	**1**
74	**0**	**Flute**	**1**	**Flute 2**	**1**	**Flute vib**	**1**
75	**0**	**Recorder**	**1**	**Recorder 2**	**2**	**Recorder vib**	**1**
76	**0**	**Pan Flute**	**2**	**Pan Flute 2**	**2**	**PanFlute vib**	**2**
77	**0**	**Bottle Blow**	**2**	**Bottle Blow2**	**2**	**Bottle vib**	**3**

78	**0**	**Shakuhachi**	**2**	**Shakuhachi 2**	**3**	**Shaku.vib**	**1**
79	**0**	**Whistle**	**1**	**Whistle 2**	**1**	**Whistle vib**	**1**
80	**0**	**Ocarina**	**1**	**Ocarina 2**	**1**	**Ocarina vib**	**1**

Synth lead

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
81	**0**	**Square Wave**	**2**	**MG Square**	**2**	**OB Square**	**3**
	1	Square	1	Fat Square	3	Fat Square2	3
	2	Sine Wave	1	2600 Sine	1	2600 Sine 2	2
82	**0**	**Saw Wave**	**1**	**JP Saw Wave**	**2**	**Oct.JP Saw**	**3**
	1	Saw	1	MG Saw	2	Hybrid Saw	3
	2	Doctor Solo	1	Fat Saw Solo	2	Hybrid Solo	3
	3	Natural Lead	2	P5 Saw Lead	2	MG Saw Lead	3
	4	SequencedSaw	2	MG Sequence	2	DelaySeqence	2
83	**0**	**Syn.Calliope**	**2**	**SynCalliope2**	**3**	**SynCalliope3**	**4**
84	**0**	**Chiffer Lead**	**2**	**ChifferLead2**	**4**	**ChifferLead3**	**4**
85	**0**	**Charang**	**3**	**Charang 2**	**3**	**Charang 3**	**4**
	1	Wire Lead	2	Wire Lead 2	3	Wire Lead 3	4
86	**0**	**Solo Vox**	**4**	**Solo Vox 2**	**4**	**Solo Vox 3**	**4**
87	**0**	**5th SawWave**	**3**	**5th SawWave2**	**3**	**5th SawWave3**	**4**
88	**0**	**Bass & Lead**	**2**	**Bass & Lead2**	**2**	**Bass & Lead3**	**4**
	1	DelayedLead	2	DelayedLead2	2	DelayedLead3	3

Synth pad, etc

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
89	**0**	**Fantasia**	**2**	**Fantasia 2**	**3**	**Fantasia 3**	**4**
90	**0**	**Warm Pad**	**2**	**Warm Pad 2**	**2**	**Warm Pad 3**	**4**
	1	Sine Pad	2	Sine Pad 2	2	Sine Pad 3	3
91	**0**	**Polysynth**	**2**	**Polysynth 2**	**2**	**Polysynth 3**	**3**
92	**0**	**SpaceVoices**	**1**	**SpaceVoices 2**	**3**	**SpaceVoices 3**	**4**
	1	Itopia	2	Itopia 2	3	Itopia 3	4
93	**0**	**BowedGlass**	**2**	**BowedGlass 2**	**3**	**BowedGlass 3**	**3**
94	**0**	**Metal Pad**	**3**	**Metal Pad 2**	**4**	**Metal Pad 3**	**4**
95	**0**	**Halo Pad**	**3**	**Halo Pad 2**	**4**	**Halo Pad 3**	**4**
96	**0**	**Sweep Pad**	**2**	**Sweep Pad 2**	**2**	**Sweep Pad 3**	**4**

Synth SFX

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
97	**0**	**Ice Rain**	**2**	**Ice Rain 2**	**3**	**Ice Rain 3**	**4**
98	**0**	**Soundtrack**	**2**	**Soundtrack 2**	**2**	**Soundtrack 3**	**4**
99	**0**	**Crystal**	**2**	**Crystal 2**	**3**	**Crystal 3**	**4**
	1	Syn Mallet	2	Syn Mallet 2	3	Syn Mallet 3	3
100	**0**	**Atmosphere**	**2**	**Atmosphere 2**	**3**	**Atmosphere 3**	**4**
101	**0**	**Brightness**	**2**	**Brightness 2**	**4**	**Brightness 3**	**4**
102	**0**	**Goblin**	**2**	**Goblin 2**	**3**	**Goblin 3**	**4**
103	**0**	**Echo Drops**	**1**	**Echo Drops 2**	**2**	**Echo Drops 3**	**4**
	1	Echo Bell	2	Echo Bell 2	3	Echo Bell 3	4
	2	Echo Pan	3	Echo Pan 2	3	Echo Pan 3	4
104	**0**	**Star Theme**	**2**	**Star Theme 2**	**3**	**Star Theme 3**	**4**

Ethnic, etc

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
105	**0**	**Sitar**	**1**	**Atk Sitar**	**2**	**St.Sitar**	**3**
	1	Sitar 2	2	Atk Sitar 2	3	St.Sitar 2	4
106	**0**	**Banjo**	**1**	**Banjo 2**	**2**	**St.Banjo**	**3**
107	**0**	**Shamisen**	**1**	**Shamisen 2**	**2**	**St.Shamisen**	**3**
108	**0**	**Koto**	**1**	**Koto 2**	**2**	**St.Koto**	**3**

	1	Taisho Koto	1	Taisho Koto2	2	St.T Koto	3
109	**0**	**Kalimba**	**1**	**Kalimba 2**	**1**	**St.Kalimba**	**3**
110	**0**	**Bag Pipe**	**1**	**Bag Pipe 2**	**1**	**St.Bag Pipe**	**3**
111	**0**	**Fiddle**	**1**	**Fiddle vib**	**1**	**Fiddle 2 vib**	**1**
112	**0**	**Shanai**	**1**	**Shanai 2**	**1**	**St.Shanai**	**3**

Percussive

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
113	**0**	**Tinkle Bell**	**1**	→		→	
114	**0**	**Agogo**	**1**	→		→	
115	**0**	**Steel Drums**	**1**	→		→	
116	**0**	**Woodblock**	**1**	→		→	
	1	Castanet	1	→		→	
117	**0**	**Taiko**	**3**	→		→	
	1	Concert BD	1	→		→	
118	**0**	**Melo.Tom 1**	**2**	→		→	
	1	Melo.Tom 2	1	→		→	
119	**0**	**Synth Drum**	**1**	→		→	
	1	808 tom	2	→		→	
	2	Elec Perc	2	→		→	
120	**0**	**Reverse Cym**	**1**	→		→	

SFX

PC	LSB	Classic Set MSB: 96	Voices	Contemp Set MSB : 97	Voices	Solo Set MSB : 98	Voices
121	**0**	**GtFret Noise**	**1**	→		→	
	1	Gt.Cut Noise	1	→		→	
	2	Slap_St.Bass	1	→		→	
122	**0**	**Breath Noise**	**1**	→		→	
	1	Fl.Key Click	1	→		→	
123	**0**	**Seashore**	**2**	→		→	
	1	Rain	2	→		→	
	2	Thunder	2	→		→	
	3	Wind	2	→		→	
	4	Stream	2	→		→	
	5	Bubble	2	→		→	
124	**0**	**Bird Tweet**	**2**	→		→	
	1	Dog	1	→		→	
	2	Horse Gallop	1	→		→	
	3	Bird Tweet 2	1	→		→	
125	**0**	**Telephone**	**1**	→		→	
	1	Telephone 2	1	→		→	
	2	Door Creak	1	→		→	
	3	Door	1	→		→	
	4	Scratch	1	→		→	
	5	Wind Chimes	2	→		→	
126	**0**	**Helicopter**	**1**	→		→	
	1	Car-Engine	1	→		→	
	2	Car-Stop	1	→		→	
	3	Car-Pass	1	→		→	
	4	Car-Crash	2	→		→	
	5	Siren	1	→		→	
	6	Train	1	→		→	
	7	Jetplane	3	→		→	
	8	Starship	4	→		→	
	9	Burst Noise	2	→		→	
127	**0**	**Applause**	**2**	→		→	
	1	Laughing	1	→		→	
	2	Screaming	1	→		→	
	3	Punch	1	→		→	
	4	Heart Beat	1	→		→	
	5	Footsteps	1	→		→	
128	**0**	**Gunshot**	**1**	→		→	
	1	Machine Gun	1	→		→	
	2	Lasergun	1	→		→	
	3	Explosion	2	→		→	

Instrument list (GS mode)

Piano

PC	CC00	GS Set	Voices
001	**000**	**Piano 1**	**1**
	008	Piano 1w	1
	016	Piano 1d	1
002	**000**	**Piano 2**	**1**
	008	Piano 2w	1
003	**000**	**Piano 3**	**1**
	008	Piano 3w	1
004	**000**	**Honky-tonk**	**2**
	008	HonkyTonk w	2
005	**000**	**E.Piano 1**	**1**
	008	Detuned EP1	2
	016	E.Piano 1v	2
	024	60s E.Piano	1
006	**000**	**E.Piano 2**	**1**
	008	Detuned EP2	2
	016	E.Piano 2v	2
007	**000**	**Harpsichord**	**1**
	008	Coupled Hps	2
	016	Harpsi.w	1
	024	Harpsi.o	2
008	000	Clav.	1

Chromatic percussion

PC	CC00	GS Set	Voices
009	**000**	**Celesta**	**1**
010	**000**	**Glockenspl**	**1**
011	**000**	**Music Box**	**1**
012	**000**	**Vibraphone**	**1**
	008	Vib.w	1
013	**000**	**Marimba**	**1**
	008	Marimba w	1
014	**000**	**Xylophone**	**1**
015	**000**	**Tubularbell**	**1**
	008	Church Bell	1
	009	Carillon	1
016	**000**	**Santur**	**1**

Organ

PC	CC00	GS Set	Voices
017	**000**	**Organ 1**	**1**
	008	Detuned Or1	2
	016	60's Organ1	1
	032	Organ 4	2
018	**000**	**Organ 2**	**1**
	008	Detuned Or2	2
	032	Organ 5	2
019	**000**	**Organ 3**	**2**
020	**000**	**Church Org1**	**1**
	008	Church Org2	2
	016	Church Org3	2
021	**000**	**Reed Organ**	**1**
022	**000**	**Accordion F**	**2**
	008	Accordion I	2
023	**000**	**Harmonica**	**1**
024	**000**	**Bandoneon**	**2**

Guitar

PC	CC00	GS Set	Voices
025	**000**	**Nylon Gt.**	**1**
	008	Ukulele	1
	016	Nylon Gt.o	2
	032	Nylon Gt.2	1
026	**000**	**Steel Gt.**	**1**
	008	12-str.Gt	2
	016	Mandolin	1
027	**000**	**Jazz Gt.**	**1**
	008	Hawaiian Gt	1
028	**000**	**Clean Gt.**	**1**
	008	Chorus Gt.	2
029	**000**	**Muted Gt.**	**1**
	008	Funk Gt.	1
	016	Funk Gt.2	1
030	**000**	**OverdriveGt**	**1**
031	**000**	**Dist.Gt.**	**1**
	008	Feedback Gt	2
032	**000**	**Gt.Harmonix**	**1**
	008	Gt.Feedback	1

Bass

PC	CC00	GS Set	Voices
033	**000**	**Acoustic Bs**	**1**
034	**000**	**Fingered Bs**	**1**
035	**000**	**Picked Bass**	**1**
036	**000**	**Fretless Bs**	**1**
037	**000**	**Slap Bass 1**	**1**
038	**000**	**Slap Bass 2**	**1**
039	**000**	**Syn.Bass 1**	**1**
	001	Syn.Bass101	1
	008	Syn.Bass 3	1
040	**000**	**Syn.Bass 2**	**2**
	008	Syn.Bass 4	2
	016	Rubber Bass	2

Strings / orchestra

PC	CC00	GS Set	Voices
041	**000**	**Violin**	**1**
	008	Slow Violin	1
042	**000**	**Viola**	**1**
043	**000**	**Cello**	**1**
044	**000**	**Contrabass**	**1**
045	**000**	**Tremolo Str**	**1**
046	**000**	**Pizzicato**	**1**
047	**000**	**Harp**	**1**
048	**000**	**Timpani**	**1**

Ensemble

PC	CC00	GS Set	Voices
049	**000**	**Strings**	**1**
	008	Orchestra	2
050	**000**	**SlowStrings**	**1**
051	**000**	**SynStrings1**	**1**
	008	SynStrings3	2
052	**000**	**SynStrings2**	**2**
053	**000**	**Choir Aahs**	**1**
	032	Choir Aahs2	1
054	**000**	**Voice Oohs**	**1**
055	**000**	**SynVox**	**1**
056	**000**	**Orchest.Hit**	**2**

Brass

PC	CC00	GS Set	Voices
057	**000**	**Trumpet**	**1**
058	**000**	**Trombone**	**1**
	001	Trombone 2	2
059	**000**	**Tuba**	**1**
060	**000**	**MuteTrumpet**	**1**
061	**000**	**French Horn**	**2**
	001	Fr.Horn 2	2
062	**000**	**Brass 1**	**1**
	008	Brass 2	2
063	**000**	**Syn.Brass 1**	**2**
	008	Syn.Brass 3	2
	016	Analog Brs1	2
064	**000**	**Syn.Brass 2**	**2**
	008	Syn.Brass 4	1
	016	Analog Brs2	2

Reed

PC	CC00	GS Set	Voices
065	**000**	**Soprano Sax**	**1**
066	**000**	**Alto Sax**	**1**
067	**000**	**Tenor Sax**	**1**
068	**000**	**BaritoneSax**	**1**
069	**000**	**Oboe**	**1**
070	**000**	**EnglishHorn**	**1**
071	**000**	**Bassoon**	**1**
072	**000**	**Clarinet**	**1**

Pipe

PC	CC00	GS Set	Voices
073	**000**	**Piccolo**	**1**
074	**000**	**Flute**	**1**
075	**000**	**Recorder**	**1**
076	**000**	**Pan Flute**	**1**
077	**000**	**Bottle Blow**	**2**
078	**000**	**Shakuhachi**	**2**
079	**000**	**Whistle**	**1**
080	**000**	**Ocarina**	**1**

Synth lead

PC	CC00	GS Map	Voices
081	**000**	**Square Wave**	**2**
	001	Square	1
	008	Sine Wave	1
082	**000**	**Saw Wave**	**2**
	001	Saw	1
	008	Doctor Solo	2
083	**000**	**SynCalliope**	**2**
084	**000**	**ChifferLead**	**2**
085	**000**	**Charang**	**2**
086	**000**	**Solo Vox**	**2**
087	**000**	**5th Saw**	**2**
088	**000**	**Bass & Lead**	**2**

Synth pad, etc

PC	CC00	GS Set	Voices
089	**000**	**Fantasia**	**2**
090	**000**	**Warm Pad**	**1**
091	**000**	**Polysynth**	**2**
092	**000**	**Space Voice**	**1**
093	**000**	**Bowed Glass**	**2**
094	**000**	**Metal Pad**	**2**
095	**000**	**Halo Pad**	**2**
096	**000**	**Sweep Pad**	**1**

Synth SFX

PC	CC00	GS Set	Voices
097	**000**	**Ice Rain**	**2**
098	**000**	**Soundtrack**	**2**
099	**000**	**Crystal**	**2**
100	**000**	**Atmosphere**	**2**
101	**000**	**Brightness**	**2**
102	**000**	**Goblin**	**2**
103	**000**	**Echo Drops**	**1**
	001	Echo Bell	2
	002	Echo Pan	2
104	**000**	**Star Theme**	**2**

Ethnic, etc

PC	CC00	GS Set	Voices
105	**000**	**Sitar**	**1**
	001	Sitar 2	2
106	**000**	**Banjo**	**1**
107	**000**	**Shamisen**	**1**
108	**000**	**Koto**	**1**
	008	Taisho Koto	2
109	**000**	**Kalimba**	**1**
110	**000**	**Bagpipe**	**1**
111	**000**	**Fiddle**	**1**
112	**000**	**Shanai**	**1**

Percussive

PC	CC00	GS Set	Voices
113	**000**	**Tinkle Bell**	**1**
114	**000**	**Agogo**	**1**
115	**000**	**Steel Drums**	**1**
116	**000**	**Woodblock**	**1**
	008	Castanets	1
117	**000**	**Taiko**	**1**
	008	Concert BD	1
118	**000**	**Melo. Tom 1**	**1**
	008	Melo. Tom 2	1
119	**000**	**Synth Drum**	**1**
	008	808 Tom	1
	009	Elec Perc	1
120	**000**	**Reverse Cym**	**1**

SFX

PC	CC00	GS Set	Voices
121	**000**	**Gt.FretNoiz**	**1**
	001	Gt.CutNoise	1
	002	String Slap	1
122	**000**	**BreathNoise**	**1**
	001	Fl.KeyClick	1
123	**000**	**Seashore**	**1**
	001	Rain	1
	002	Thunder	1
	003	Wind	1
	004	Stream	2
	005	Bubble	2
124	**000**	**Bird**	**2**
	001	Dog	1
	002	HorseGallop	1
	003	Bird 2	1
125	**000**	**Telephone 1**	**1**
	001	Telephone 2	1
	002	Creaking	1
	003	Door	1
	004	Scratch	1
	005	Wind Chimes	2
126	**000**	**Helicopter**	**1**
	001	Car-Engine	1
	002	Car-Stop	1
	003	Car-Pass	1
	004	Car-Crash	2
	005	Siren	1
	006	Train	1
	007	Jetplane	2
	008	Starship	2
	009	Burst Noise	2
127	**000**	**Applause**	**2**
	001	Laughing	1
	002	Screaming	1
	003	Punch	1
	004	Heart Beat	1
	005	Footsteps	1
128	**000**	**Gun Shot**	**1**
	001	Machine Gun	1
	002	Lasergun	1
	003	Explosion	2

Instrument list (XGlite mode)

Piano

PC	CC00	XG Set	Elements
001	**000**	**Grand Piano**	**1**
	001	Grand Piano KSP	1
	040	Piano Strings	2
	041	Dream	2
002	**000**	**Bright Piano**	**1**
	001	Bright Piano KSP	1
003	**000**	**Electric Grand Piano**	**2**
	001	Electric Grand Piano KSP	2
	032	Detuned CP80	2
004	**000**	**Honky-tonk Piano**	**2**
	001	Honky-tonk Piano KSP	2
005	**000**	**Electric Piano 1**	**2**
	001	Electric Piano 1 KSP	1
	032	Chorus Electric Piano 1	2
006	**000**	**Electric Piano 2**	**2**
	001	Electric Piano 2 KSP	1
	041	DX + Analog Electric Piano	2
	085	Tinker DX Plus	2
007	**000**	**Harpsichord**	**1**
	001	Harpsichord KSP	1
	035	Harpsichord 3	2
008	**000**	**Clavi**	**2**
	001	Clavi KSP	1

Chromatic percussion

PC	CC00	XG Set	Elements
009	**000**	**Celesta**	**1**
010	**000**	**Glockenspiel**	**1**
011	**000**	**Music Box**	**2**
	064	Orgel	2
012	**000**	**Vibraphone**	**1**
	001	Vibraphone KSP	1
013	**000**	**Marimba**	**1**
	001	Marimba KSP	1
	064	Sine Marimba	2
	097	Balimba	2
	098	Log Drums	2
014	**000**	**Xylophone**	**1**
015	**000**	**Tubular Bells**	**1**
	096	Church Bells	2
	097	Carillon	2
016	**000**	**Dulcimer**	**1**
	035	Dulcimer 2	2
	096	Cimbalom	2
	097	Santur	2

Organ

PC	CC00	XG Set	Elements
017	**000**	**Drawbar Organ**	**1**
	032	Detuned Drawbar Organ	2
	033	60's Drawbar Organ 1	2
	034	60's Drawbar Organ 2	2
	035	70's Drawbar Organ 1	2
	037	60's Drawbar Organ 3	2
	040	16+2"2/3	2
	064	Organ Bass	1
	065	70's Drawbar Organ 2	2
	066	Cheezy Organ	2
	067	Drawbar Organ 3	2
018	**000**	**Percussive Organ**	**1**
	024	70's Percussive Organ 1	2
	032	Detuned Percussive Organ	2
	033	Light Organ	2
	037	Percussive Organ 2	2
019	**000**	**Rock Organ**	**2**
	064	Rotary Organ	2
	065	Slow Rotary	2
	066	Fast Rotary	2
020	**000**	**Church Organ**	**2**
	032	Church Organ 3	2
	035	Church Organ 2	2
	040	Notre Dame	2
	064	Organ Flute	2
	065	Tremolo Organ Flute	2
021	**000**	**Reed Organ**	**1**
	040	Puff Organ	2
022	**000**	**Accordion**	**2**
023	**000**	**Hamonica**	**1**
	032	Harmonica 2	2
024	**000**	**Tango Accordion**	**2**
	064	Tango Accordion 2	2

Guitar

PC	CC00	XG Set	Elements
025	**000**	**Nylon Guitar**	**1**
	043	Velocity Guitar Harmonics	2
	096	Cimbalom	2
026	**000**	**Steel Guitar**	**1**
	035	12-string Guitar	2
	040	Nylon & Steel Guitar	2
	041	Steel Guitar with Body Sound	2
	096	Mandolin	2
027	**000**	**Jazz Guitar**	**1**
	032	Jazz Amp	2
028	**000**	**Clean Guitar**	**1**
	032	Chorus Guitar	2
029	**000**	**Muted Guitar**	**1**
	040	Funk Guitar 1	2
	041	Muted Steel Guitar	2
	045	Jazz Man	1
030	**000**	**Overdriven Guitar**	**1**
	043	Guitar Pinch	2
031	**000**	**Distortion Guitar**	**1**
	040	Feedback Guitar	2
	041	Feedback Guitar 2	2
032	**000**	**Guitar Harmonics**	**1**
	065	Guitar Feedback	1
	066	Guitar Harmonics 2	1

Bass

PC	CC00	XG Set	Elements
033	**000**	**Acoustic Bass**	**1**
	040	Jazz Rhythm	2
	045	Velocity Crossfade Upright Bass	2
034	**000**	**Finger Bass**	**1**
	018	Finger Dark	2
	040	Bass & Distorted Electric Guitar	2
	043	Finger Slap Bass	2
	045	Finger Bass 2	2
	065	Modulated Bass	2
035	**000**	**Pick Bass**	**1**
	028	Muted Pick Bass	1
036	**000**	**Fretless Bass**	**1**
	032	Fretless Bass 2	2
	033	Fretless Bass 3	2
	034	Fretless Bass 4	2
037	**000**	**Slap Bass 1**	**1**
	032	Punch Thumb Bass	2
038	**000**	**Slap Bass 2**	**1**
	043	Velocity Switch Slap	2
039	**000**	**Synth Bass 1**	**1**
	040	Techno Synth Bass	2
	085	SweePWM	2
040	**000**	**Synth Bass 2**	**2**
	006	Mellow Synth Bass	1
	012	Sequenced Bass	2
	018	Click Synth Bass	2
	019	Synth Bass 2 Dark	1
	041	DX Bass	2

Strings / orchestra

PC	CC00	XG Set	Elements
041	**000**	**Violin**	**1**
	008	Slow Violin	1
042	**000**	**Viola**	**1**
043	**000**	**Cello**	**1**
044	**000**	**Contrabass**	**1**
045	**000**	**Tremolo Strings**	**1**
	008	Slow Tremolo Strings	1
	040	Suspense Strings	2
046	**000**	**Pizzicato Strings**	**1**
047	**000**	**Orchestral Harp**	**1**
	040	Yang Chin	2
048	**000**	**Timpani**	**1**

Ensemble

PC	CC00	XG Set	Elements
049	**000**	**Strings 1**	**1**
	003	Stereo Strings	2
	008	Slow Strings	1
	035	60's Strings	2
	040	Orchestra	2
	041	Orchestra 2	2
	042	Tremolo Orchestra	2
	045	Velocity Strings	2
050	**000**	**Strings 2**	**1**
	003	Stereo Slow Strings	2
	008	Legato Strings	2
	040	Warm Strings	2
	041	Kingdom	2
051	**000**	**Synth Strings 1**	**2**
052	**000**	**Synth Strings 2**	**2**
053	**000**	**Choir Aahs**	**1**
	003	Stereo Choir	2
	032	Mellow Choir	2
	040	Choir Strings	2
054	**000**	**Voice Oohs**	**1**
055	**000**	**Synth Voice**	**1**
	040	Synth Voice 2	2
	041	Choral	2
	064	Analog Voice	1
056	**000**	**Orchestra Hit**	**2**
	035	Orchestra Hit 2	2
	064	Impact	2

Brass

PC	CC00	XG Set	Elements
057	**000**	**Trumpet**	**1**
	032	Warm Trumpet	2
058	**000**	**Trombone**	**1**
	018	Trombone 2	
059	**000**	**Tuba**	**1**
060	**000**	**Muted Trumpet**	**1**
061	**000**	**French Horn**	**1**
	006	French Horn Solo	1
	032	French Horn 2	2
	037	Horn Orchestra	2
062	**000**	**Brass Section**	**1**
	035	Trumpet & Trombone Section	2
063	**000**	**Synth Brass 1**	**2**
	020	Resonant Synth Brass	2
064	**000**	**Synth Brass 2**	**1**
	018	Soft Brass	2
	041	Choir Brass	2

Reed

PC	CC00	XG Set	Elements
065	**000**	**Soprano Sax**	**1**
066	**000**	**Alto Sax**	**1**
	040	Sax Section	2
067	**000**	**Tenor Sax**	**1**
	040	Breathy Tenor Sax	2
068	**000**	**Baritone Sax**	**1**
069	**000**	**Oboe**	**2**
070	**000**	**English Horn**	**1**
071	**000**	**Bassoon**	**1**
072	**000**	**Clarinet**	**1**

Pipe

PC	CC00	XG Set	Elements
073	**000**	**Piccolo**	**1**
074	**000**	**Flute**	**1**
075	**000**	**Recorder**	**1**
076	**000**	**Pan Flute**	**1**
077	**000**	**Blown Bottle**	**2**
078	**000**	**Shakuhachi**	**2**
079	**000**	**Whistle**	**1**
080	**000**	**Ocarina**	**1**

Synth lead

PC	CC00	XG Set	Elements
081	**000**	**Square Lead**	**2**
	006	Square Lead 2	1
	008	LM Square	2
	018	Hollow	1
	019	Shroud	2
	064	Mellow	2
	065	Solo Sine	2
	066	Sine Lead	1
082	**000**	**Sawtooth Lead**	**2**
	006	Sawtooth Lead 2	1
	008	Thick Sawtooth	2
	018	Dynamic Sawtooth	1
	019	Digital Sawtooth	2
	020	Big Lead	2
	096	Sequenced Analog	2
083	**000**	**Calliope Lead**	**2**
	065	Pure Pad	2
084	**000**	**Chiff Lead**	**2**
085	**000**	**Charang Lead**	**2**
	064	Distorted Lead	2
086	**000**	**Voice Lead**	**2**
087	**000**	**Fifths Lead**	**2**
	035	Big Five	2
088	**000**	**Bass & Lead**	**2**
	016	Big & Low	2
	064	Fat & Perky	2
	065	Soft Whirl	2
	067	Mogul	1
	068	Distance	2

Synth pad, etc

PC	CC00	XG Set	Elements
089	**000**	**New Age Pad**	**2**
	064	Fantasy	2
090	**000**	**Warm Pad**	**2**
091	**000**	**Poly Synth Pad**	**2**
092	**000**	**Choir Pad**	**2**
	066	Itopia	2
093	**000**	**Bowed Pad**	**2**
094	**000**	**Metallic Pad**	**2**
095	**000**	**Halo Pad**	**2**
096	**000**	**Sweep Pad**	**2**

Synth SFX

PC	CC00	XG Set	Elements
097	**000**	**Rain**	**2**
	065	African Wind	2
	066	Carib	2
098	**000**	**Sound Track**	**2**
	027	Prologue	2
099	**000**	**Crystal**	**2**
	012	Synth Drum Comp	2
	014	Popcorn	2
	018	Tiny Bells	2
	035	Round Glockenspiel	2
	040	Glockenspiel Chimes	2
	041	Clear Bells	2
	042	Chorus Bells	2
	065	Soft Crystal	2
	070	Air Bells	2
	071	Bell Harp	2
	072	Gamelimba	2
100	**000**	**Atmosphere**	**2**
	018	Warm Atmosphere	2
	019	Hollow Release	2
	040	Nylon Electric Piano	2
	064	Nylon Harp	2
	065	Harp Vox	2
	066	Atmosphere Pad	2
101	**000**	**Brightness**	**2**
102	**000**	**Goblins**	**2**
	064	Goblins Synth	2
	065	Creeper	2
	067	Ritual	2
	068	To Heaven	2
	070	Night	2
	071	Glisten	2
	096	Bell Choir	2
103	**000**	**Echoes**	**2**
104	**000**	**Sci-Fi**	**2**

Ethnic, etc

PC	CC00	XG Set	Elements
105	**000**	**Sitar**	**1**
	032	Detuned Sitar	2
	035	Sitar 2	2
	097	Tamboura	2
106	**000**	**Banjo**	**1**
	028	Muted Banjo	1
	096	Rabab	2
	097	Gopichant	2
	098	Oud	2
107	**000**	**Shamisen**	**1**
108	**000**	**Koto**	**1**
	096	Taisho-kin	2
	097	Kanoon	2
109	**000**	**Kalimba**	**1**
110	**000**	**Bagpipe**	**2**
111	**000**	**Fiddle**	**1**
112	**000**	**Shanai**	**1**
113	**000**	**Tinkle Bell**	**2**
	096	Bonang	2
	097	Altair	2
	098	Gamelan Gongs	2
	099	Stereo Gamelan Gongs	2
	100	Rama Cymbal	2
114	**000**	**Agogo**	**2**
115	**000**	**Steel Drums**	**2**
	097	Glass Percussion	2
	098	Thai Bells	2
116	**000**	**Woodblock**	**1**
	096	Castanets	1
117	**000**	**Taiko Drum**	**1**
	096	Gran Cassa	1
118	**000**	**Melodic Tom**	**2**
	064	Melodic Tom 2	1
	065	Real Tom	2
	066	Rock Tom	2
119	**000**	**Synth Drum**	**1**
	064	Analog Tom	1
	065	Electronic Percussion	2
120	**000**	**Reverse Cymbal**	**1**

SFX

PC	CC00	XG Set	Elements
121	**000**	**Fret Noise**	**2**
122	**000**	**Breath Noise**	**2**
123	**000**	**Seashore**	**2**
124	**000**	**Bird Tweet**	**2**
125	**000**	**Telephone Ring**	**1**
126	**000**	**Helicopter**	**1**
127	**000**	**Applause**	**1**
128	**000**	**Gunshot**	**1**

Drum set list (GM2 / Native mode)

PC	MSB	Classical Set	MSB	Contemporary Set	MSB	Solo Set
001	104	Standard Set	105	StandardSet2	106	St.Standard
009	104	Room Set	105	Room Set 2	106	St.Room
017	104	Power Set	105	Power Set 2	106	St.Power
025	104	Electric Set	105	Dance Set	106	Rust Set
026	104	Analog Set	105	Rave Set	106	Analog2 Set
033	104	Jazz Set	105	Jazz Set 2	106	St.Jazz
041	104	Brush Set	105	Brush Set 2	106	St.Brush
049	104	OrchestraSet	105	<-	106	<-
057	104	SFX Set	105	<-	106	<-

■ Classical set drum set (1)

<-: Same as the percusion sound of “Standard Set” (PC001)

* *BANK MSB=104, LSB=0*

	PC001	PC009	PC017	PC025	PC026
	Standard Set	**Room Set**	**Power Set**	**Erectric Set**	**Analog Set**
27	High Q	<-	<-	<-	<-
28	Slap	<-	<-	<-	<-
29	Scratch Push	<-	<-	<-	<-
30	Scratch Pull	<-	<-	<-	<-
31	Sticks	<-	<-	<-	<-
32	Square Click	<-	<-	<-	<-
33	Metron Click	<-	<-	<-	<-
34	Metron Bell	<-	<-	<-	<-
35	Kick Drum 2	<-	Power Kick 2	Elec.Kick 2	Ana.Kick 2
C2 36	Kick Drum 1	<-	Power Kick 1	Elec.Kick 1	Ana.Kick 1
37	Side Stick	<-	<-	<-	Ana.Rim Sho
38	Aco.Snare	Room Snare	PowerSnareDr	E.SnareDrum1	Ana.Snare 1
39	Hand Clap	<-	<-	<-	<-
40	Elec.Snare	<-	<-	E.SnareDrum2	Elec.Snare
41	Low Tom 2	Room LowTom2	PowerLowTom2	E.Low Tom 2	Ana.Low Tom2
42	ClosedHi-hat	<-	<-	<-	<-
43	Low Tom 1	Room LowTom1	PowerLowTom1	E.Low Tom 1	Ana.Low Tom1
44	Pedal Hi-hat	<-	<-	<-	ClosedHi-hat
45	Mid Tom 2	Room MidTom2	PowerMIdTom2	E.Mid Tom 2	Ana.Mid Tom2
46	Open Hi-hat	<-	<-	<-	Closed Hi-ha
47	Mid Tom 1	Room MidTom1	PowerMIdTom1	E.Mid Tom 1	Ana.Mid Tom1
C3 48	High Tom 2	Room Hi Tom2	Power HiTom2	E.Hi Tom 2	Ana.Hi Tom2
49	CrashCymbal1	<-	<-	<-	Ana.Cymbal
50	High Tom 1	Room Hi Tom1	Power HiTom1	E.Hi Tom 1	Ana.Hi Tom1
51	Ride Cymbal1	<-	<-	<-	<-
52	China Cymbal	<-	<-	Reverse Cym.	<-
53	Ride Bell	<-	<-	<-	<-
54	Tambourine	<-	<-	<-	<-
55	SplashCymbal	<-	<-	<-	<-
56	Cowbell	<-	<-	<-	Ana.Cowbell
57	CrashCymbal2	<-	<-	<-	<-
58	Vibra-slap	<-	<-	<-	<-
59	Ride Cymbal2	<-	<-	<-	<-
C4 60	High Bongo	<-	<-	<-	<-
61	Low Bongo	<-	<-	<-	<-
62	MuteHi Conga	<-	<-	<-	Ana.Hi Conga
63	OpenHi Conga	<-	<-	<-	Ana.MidConga
64	Low Conga	<-	<-	<-	Ana.LowConga
65	High Timbale	<-	<-	<-	<-
66	Low Timbale	<-	<-	<-	<-
67	High Agogo	<-	<-	<-	<-
68	Low Agogo	<-	<-	<-	<-
69	Cabasa	<-	<-	<-	<-
70	Maracas	<-	<-	<-	Ana.Maracas
71	ShortWhistle	<-	<-	<-	<-
C5 72	Long Whistle	<-	<-	<-	<-
73	Short Guiro	<-	<-	<-	<-
74	Long Guiro	<-	<-	<-	<-
75	Claves	<-	<-	<-	Ana.Claves
76	Hi WoodBlock	<-	<-	<-	<-
77	LowWoodBlock	<-	<-	<-	<-
78	Mute Cuica	<-	<-	<-	<-
79	Open Cuica	<-	<-	<-	<-
80	MuteTriangle	<-	<-	<-	<-
81	OpenTriangle	<-	<-	<-	<-
82	Shaker	<-	<-	<-	<-
83	Jingle Bell	<-	<-	<-	<-
C6 84	Bell Tree	<-	<-	<-	<-
85	Castanets	<-	<-	<-	<-
86	Mute Surdo	<-	<-	<-	<-
87	Open Surdo	<-	<-	<-	<-
88					

■ Classical set drum set (2)

* *BANK MSB=104, LSB=0*

	PC033 Jazz Set	PC041 Brush Set	PC049 OrchestraSet	PC057 SFX Set
27	<-	<-	ClosedHi-hat	---
28	<-	<-	Pedal Hi-hat	---
29	<-	<-	Open Hi-hat	---
30	<-	<-	Ride Cymbal1	---
31	<-	<-	<-	---
32	<-	<-	<-	---
33	<-	<-	<-	---
34	<-	<-	<-	---
35	Jazz Kick 2	Jazz Kick 2	Concert BD 2	---
C2 36	Jazz Kick 1	Jazz Kick 1	Concert BD 1	---
37	<-	<-	<-	---
38	<-	Brush Tap	Concert SD	---
39	<-	Brush Slap	Castanets	High Q
40	<-	Brush Swirl	Concert SD	Slap
41	<-	BrushLowTom2	Timpani F	Scratch Push
42	<-	<-	Timpani F#	Scratch Pull
43	<-	BrushLowTom1	Timpani G	Sticks
44	<-	ClosedHi-hat	Timpani G#	Square Click
45	<-	BrushMidTom2	Timpani A	Metron Click
46	<-	Closed Hi-ha	Timpani A#	Metron Bell
47	<-	BrushMidTom1	Timpani B	GtFret Noise
C3 48	<-	Brush HiTom2	Timpani c	Cut Noise Up
49	<-	Brush Crash1	Timpani c#	Cut Noise Dw
50	<-	Brush HiTom1	Timpani d	Slap_St.Bass
51	<-	Brush Ride 1	Timpani d#	Fl.Key Click
52	<-	<-	Timpani e	Laughing
53	<-	BrushRideBel	Timpani f	Scream
54	<-	<-	<-	Punch
55	<-	<-	<-	Heart Beat
56	<-	<-	<-	Footsteps 1
57	<-	Brush Crash2	<-	Footsteps 2
58	<-	<-	<-	Applause
59	<-	<-	Concert Cym1	Door Creak
C4 60	<-	<-	<-	Door
61	<-	<-	<-	Scratch
62	<-	<-	<-	Wind Chimes
63	<-	<-	<-	Car-Engine
64	<-	<-	<-	Car-Stop
65	<-	<-	<-	Car-Pass
66	<-	<-	<-	Car-Crash
67	<-	<-	<-	Siren
68	<-	<-	<-	Train
69	<-	<-	<-	Jetplane
70	<-	<-	<-	Helicopter
71	<-	<-	<-	Starship
C5 72	<-	<-	<-	Gun Shot
73	<-	<-	<-	Machine Gun
74	<-	<-	<-	Lasergun
75	<-	<-	<-	Explosion
76	<-	<-	<-	Dog
77	<-	<-	<-	Horse-Gallop
78	<-	<-	<-	Birds
79	<-	<-	<-	Rain
80	<-	<-	<-	Thunder
81	<-	<-	<-	Wind
82	<-	<-	<-	Seashore
83	<-	<-	<-	Stream
C6 84	<-	<-	<-	Bubble
85	<-	<-	<-	
86	<-	<-	<-	
87	<-	<-	<-	
88				

■ Contemporary set drum set (1)

<-: Same as the percusion sound of “StandardSet2” (PC001)

* *BANK MSB=105, LSB=0*

	PC001	PC009	PC017	PC025	PC026
	StandardSet2	**Room Set 2**	**Power Set 2**	**Dance Set**	**Rave Set**
27	High Q	<-	<-	<-	<-
28	Slap	<-	<-	<-	<-
29	Scratch Push	<-	<-	<-	<-
30	Scratch Pull	<-	<-	<-	<-
31	Sticks	<-	<-	<-	<-
32	Square Click	<-	<-	<-	<-
33	Metron Click	<-	<-	<-	<-
34	Metron Bell	<-	<-	<-	<-
35	Kick Drum 2	<-	Power Kick 2	Dance Kick	808 Kick
C2 36	Kick Drum 1	<-	Power Kick 1	Techno Kick	Round Kick
37	Side Stick	<-	<-	<-	Ana.Rim Shot
38	Aco. Snare	Room Snare	PowerSnareDr	Dance Snare	808 Snare
39	Hand Clap	<-	<-	<-	<-
40	Elec. Snare	<-	<-	Raga Snare	<-
41	Low Tom 2	Room LowTom2	PowerLowTom2	Ana.Low Tom2	808LowTom 2
42	ClosedHi-hat	<-	<-	<-	<-
43	Low Tom 1	Room LowTom1	PowerLowTom1	Ana.Low Tom1	808LowTom 1
44	Pedal Hi-hat	<-	<-	ClosedHi-hat	Closed Hi-ha
45	Mid Tom 2	Room MidTom2	PowerMIdTom2	Ana.Mid Tom2	808MidTom 2
46	Open Hi-hat	<-	<-	<-	ClosedHi-hat
47	Mid Tom 1	Room MidTom1	PowerMIdTom1	Ana.Mid Tom1	808MidTom 1
C3 48	High Tom 2	Room Hi Tom2	Power HiTom2	Ana.Hi Tom2	808Hi Tom 2
49	CrashCymbal1	<-	<-	<-	Ana.Cymbal
50	High Tom 1	Room Hi Tom1	Power HiTom1	Ana.Hi Tom1	808Hi Tom 1
51	Ride Cymbal1	<-	<-	<-	<-
52	China Cymbal	<-	<-	Reverse Cym.	<-
53	Ride Bell	<-	<-	<-	<-
54	Tambourine	<-	<-	<-	<-
55	SplashCymbal	<-	<-	<-	<-
56	Cowbell	<-	<-	<-	Ana.Cowbell
57	CrashCymbal2	<-	<-	<-	<-
58	Vibra-slap	<-	<-	<-	<-
59	Ride Cymbal2	<-	<-	<-	<-
C4 60	High Bongo	<-	<-	<-	<-
61	Low Bongo	<-	<-	<-	<-
62	MuteHi Conga	<-	<-	<-	Ana.Hi Conga
63	OpenHi Conga	<-	<-	<-	Ana.MidConga
64	Low Conga	<-	<-	<-	Ana.LowConga
65	High Timbale	<-	<-	<-	<-
66	Low Timbale	<-	<-	<-	<-
67	High Agogo	<-	<-	<-	<-
68	Low Agogo	<-	<-	<-	<-
69	Cabasa	<-	<-	<-	<-
70	Maracas	<-	<-	<-	Ana.Maracas
71	ShortWhistle	<-	<-	<-	<-
C5 72	Long Whistle	<-	<-	<-	<-
73	Short Guiro	<-	<-	<-	<-
74	Long Guiro	<-	<-	<-	<-
75	Claves	<-	<-	<-	Ana.Claves
76	Hi WoodBlock	<-	<-	<-	<-
77	LowWoodBlock	<-	<-	<-	<-
78	Mute Cuica	<-	<-	<-	<-
79	Open Cuica	<-	<-	<-	<-
80	MuteTriangle	<-	<-	<-	<-
81	OpenTriangle	<-	<-	<-	<-
82	Shaker	<-	<-	<-	<-
83	Jingle Bell	<-	<-	<-	<-
C6 84	Bell Tree	<-	<-	<-	<-
85	Castanets	<-	<-	<-	<-
86	Mute Surdo	<-	<-	<-	<-
87	Open Surdo	<-	<-	<-	<-
88					

■ Contemporary set drum set (2)

* *BANK MSB=105, LSB=0*

	PC033	PC041	PC049	PC057
	Jazz Set 2	**Brush Set 2**	**OrchestraSet**	**SFX Set**
27	<-	<-	ClosedHi-hat	---
28	<-	<-	Pedal Hi-hat	---
29	<-	<-	Open Hi-hat	---
30	<-	<-	Ride Cymbal1	---
31	<-	<-	<-	---
32	<-	<-	<-	---
33	<-	<-	<-	---
34	<-	<-	<-	---
35	Jazz Kick 2	Jazz Kick 2	Concert BD 2	---
C2 36	Jazz Kick 1	Jazz Kick 1	Concert BD 1	---
37	<-	<-	<-	---
38	Jazz Snare	Brush Tap	Concert SD	---
39	<-	Brush Slap	Castanets	High Q
40	<-	Brush Swirl	Concert SD	Slap
41	<-	BrushLowTom2	Timpani F	Scratch Push
42	<-	<-	Timpani F#	Scratch Pull
43	<-	BrushLowTom1	Timpani G	Sticks
44	<-	Closed Hi-ha	Timpani G#	Square Click
45	<-	BrushMidTom2	Timpani A	Metron Click
46	<-	ClosedHi-hat	Timpani A#	Metron Bell
47	<-	BrushMidTom1	Timpani B	GtFret Noise
C3 48	<-	Brush HiTom2	Timpani c	Cut Noise Up
49	<-	Brush Crash1	Timpani c#	Cut Noise Dw
50	<-	Brush HiTom1	Timpani d	Slap_St.Bass
51	<-	Brush Ride 1	Timpani d#	Fl.Key Click
52	<-	<-	Timpani e	Laughing
53	<-	BrushRideBel	Timpani f	Scream
54	<-	<-	<-	Punch
55	<-	<-	<-	Heart Beat
56	<-	<-	<-	Footsteps 1
57	<-	Brush Crash2	Concert Cym2	Footsteps 2
58	<-	<-	<-	Applause
59	<-	<-	Concert Cym1	Door Creak
C4 60	<-	<-	<-	Door
61	<-	<-	<-	Scratch
62	<-	<-	<-	Wind Chimes
63	<-	<-	<-	Car-Engine
64	<-	<-	<-	Car-Stop
65	<-	<-	<-	Car-Pass
66	<-	<-	<-	Car-Crash
67	<-	<-	<-	Siren
68	<-	<-	<-	Train
69	<-	<-	<-	Jetplane
70	<-	<-	<-	Helicopter
71	<-	<-	<-	Starship
C5 72	<-	<-	<-	Gun Shot
73	<-	<-	<-	Machine Gun
74	<-	<-	<-	Lasergun
75	<-	<-	<-	Explosion
76	<-	<-	<-	Dog
77	<-	<-	<-	Horse-Gallop
78	<-	<-	<-	Birds
79	<-	<-	<-	Rain
80	<-	<-	<-	Thunder
81	<-	<-	<-	Wind
82	<-	<-	<-	Seashore
83	<-	<-	<-	Stream
C6 84	<-	<-	<-	Bubble
85	<-	<-	<-	
86	<-	<-	<-	
87	<-	<-	<-	
88				

■ Solo set drum set (1)

<-: Same as the percusion sound of “St.Standard” (PC001)

* *BANK MSB=106, LSB=0*

	PC001	PC009	PC017	PC025	PC026
	St.Standard	**St.Room**	**St.Power**	**Rust Set**	**Analog2 Set**
27	High Q	<-	<-	<-	<-
28	Slap	<-	<-	<-	<-
29	Scratch Push	<-	<-	<-	<-
30	Scratch Pull	<-	<-	<-	<-
31	Sticks	<-	<-	<-	<-
32	Square Click	<-	<-	<-	<-
33	Metron Click	<-	<-	<-	<-
34	Metron Bell	<-	<-	<-	<-
35	Kick Drum 2	Rock Kick Dr	Rock Kick Dr	70s Kick 1	909 Kick 2
C2 36	Kick Drum 1	<-	Round Kick	Dance Kick	909 Kick 1
37	Side Stick	<-	<-	<-	Ana.Rim Shot
38	Snare Drum 1	Rock SnareDr	Rock SnareDr	Old Fill SN	909 Snare 1
39	Hand Clap	<-	<-	<-	<-
40	Snare Drum 2	<-	Piccolo SN	Rock SN	909 Snare 2
41	Low Tom 2	Room LowTom2	PowerLowTom2	Elec.Tom L2	Ana.Low Tom2
42	ClosedHi-hat	<-	<-	<-	<-
43	Low Tom 1	Room LowTom1	PowerLowTom1	Elec.Tom L1	Ana.Low Tom1
44	Pedal Hi-hat	<-	<-	ClosedHi-hat	ClosedHi-hat
45	Mid Tom 2	Room MidTom2	PowerMIdTom2	Elec.Tom M2	Ana.Mid Tom2
46	Open Hi-hat	<-	<-	<-	<-
47	Mid Tom 1	Room MidTom1	PowerMIdTom1	Elec.Tom M1	Ana.Mid Tom1
C3 48	High Tom 2	Room Hi Tom2	Power HiTom2	Elec.Tom H2	Ana.Hi Tom2
49	CrashCymbal1	<-	<-	<-	<-
50	High Tom 1	Room Hi Tom1	Power HiTom1	Elec.Tom H1	Ana.Hi Tom1
51	Ride Cymbal1	<-	<-	<-	<-
52	China Cymbal	<-	<-	Reverse Cym.	<-
53	Ride Bell	<-	<-	<-	<-
54	Tambourine	<-	<-	<-	<-
55	SplashCymbal	<-	<-	<-	<-
56	Cowbell	<-	<-	<-	Ana.Cowbell
57	CrashCymbal2	<-	<-	<-	<-
58	Vibra-slap	<-	<-	<-	<-
59	Ride Cymbal2	<-	<-	<-	<-
C4 60	High Bongo	<-	<-	<-	<-
61	Low Bongo	<-	<-	<-	<-
62	MuteHi Conga	<-	<-	<-	Ana.Hi Conga
63	OpenHi Conga	<-	<-	<-	Ana.MidConga
64	Low Conga	<-	<-	<-	Ana.LowConga
65	High Timbale	<-	<-	<-	<-
66	Low Timbale	<-	<-	<-	<-
67	High Agogo	<-	<-	<-	<-
68	Low Agogo	<-	<-	<-	<-
69	Cabasa	<-	<-	<-	<-
70	Maracas	<-	<-	<-	Ana.Maracas
71	ShortWhistle	<-	<-	<-	<-
C5 72	Long Whistle	<-	<-	<-	<-
73	Short Guiro	<-	<-	<-	<-
74	Long Guiro	<-	<-	<-	<-
75	Claves	<-	<-	<-	Ana.Claves
76	Hi WoodBlock	<-	<-	<-	<-
77	LowWoodBlock	<-	<-	<-	<-
78	Mute Cuica	<-	<-	<-	<-
79	Open Cuica	<-	<-	<-	<-
80	MuteTriangle	<-	<-	<-	<-
81	OpenTriangle	<-	<-	<-	<-
82	Shaker	<-	<-	<-	<-
83	Jingle Bell	<-	<-	<-	<-
C6 84	Bell Tree	<-	<-	<-	<-
85	Castanets	<-	<-	<-	<-
86	Mute Surdo	<-	<-	<-	<-
87	Open Surdo	<-	<-	<-	<-
88					

■ Solo set drum set (2)

* *BANK MSB=106, LSB=0*

	PC033	PC041	PC049	PC057
	St.Jazz	**St.Brush**	**OrchestraSet**	**SFX Set**
27	<-	<-	ClosedHi-hat	---
28	<-	<-	Pedal Hi-hat	---
29	<-	<-	Open Hi-hat	---
30	<-	<-	Ride Cymbal1	---
31	<-	<-	<-	---
32	<-	<-	<-	---
33	<-	<-	<-	---
34	<-	<-	<-	---
35	Jazz Kick 2	Jazz Kick 2	Concert BD 2	---
C2 36	Jazz Kick 1	Jazz Kick 1	Concert BD 1	---
37	<-	<-	<-	---
38	Snare Drum 1	Brush Tap	Concert SD	---
39	<-	Brush Slap	Castanets	High Q
40	<-	Brush Swirl	Concert SD	Slap
41	<-	BrushLowTom2	Timpani F	Scratch Push
42	<-	<-	Timpani F#	Scratch Pull
43	<-	BrushLowTom1	Timpani G	Sticks
44	<-	ClosedHi-hat	Timpani G#	Square Click
45	<-	BrushMidTom2	Timpani A	Metron Click
46	<-	Closed Hi-ha	Timpani A#	Metron Bell
47	<-	BrushMidTom1	Timpani B	GtFret Noise
C3 48	<-	Brush HiTom2	Timpani c	Cut Noise Up
49	<-	Brush Crash1	Timpani c#	Cut Noise Dw
50	<-	Brush HiTom1	Timpani d	Slap_St.Bass
51	<-	Brush Ride 1	Timpani d#	Fl.Key Click
52	<-	<-	Timpani e	Laughing
53	<-	BrushRideBel	Timpani f	Scream
54	<-	<-	<-	Punch
55	<-	<-	<-	Heart Beat
56	<-	<-	<-	Footsteps 1
57	<-	Brush Crash2	<-	Footsteps 2
58	<-	<-	<-	Applause
59	<-	<-	Concert Cym1	Door Creak
C4 60	<-	<-	<-	Door
61	<-	<-	<-	Scratch
62	<-	<-	<-	Wind Chimes
63	<-	<-	<-	Car-Engine
64	<-	<-	<-	Car-Stop
65	<-	<-	<-	Car-Pass
66	<-	<-	<-	Car-Crash
67	<-	<-	<-	Siren
68	<-	<-	<-	Train
69	<-	<-	<-	Jetplane
70	<-	<-	<-	Helicopter
71	<-	<-	<-	Starship
C5 72	<-	<-	<-	Gun Shot
73	<-	<-	<-	Machine Gun
74	<-	<-	<-	Lasergun
75	<-	<-	<-	Explosion
76	<-	<-	<-	Dog
77	<-	<-	<-	Horse-Gallop
78	<-	<-	<-	Birds
79	<-	<-	<-	Rain
80	<-	<-	<-	Thunder
81	<-	<-	<-	Wind
82	<-	<-	<-	Seashore
83	<-	<-	<-	Stream
C6 84	<-	<-	<-	Bubble
85	<-	<-	<-	
86	<-	<-	<-	
87	<-	<-	<-	
88				

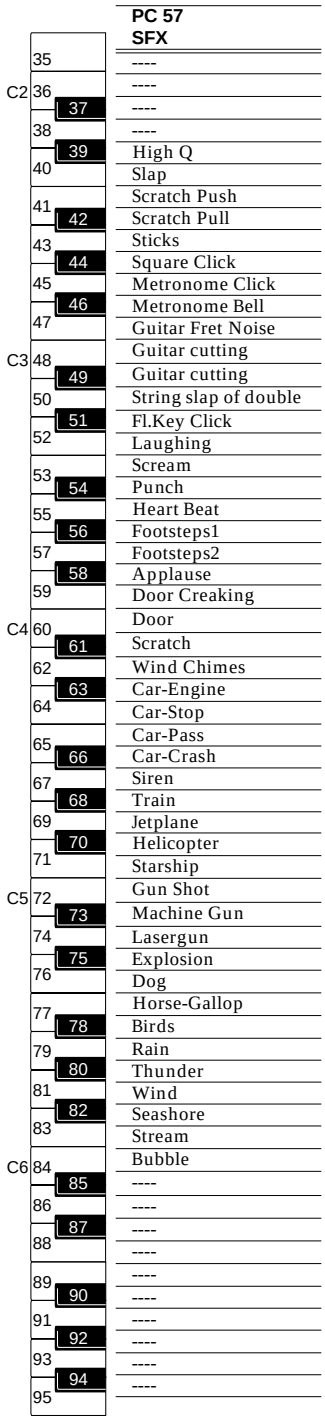
Drum set list (GS mode)

PC	GS Set
001	STANDARD
009	ROOM
017	POWER
025	ELECTRONIC
026	TR-808
033	JAZZ
041	BRUSH
049	ORCHESTRA
057	SFX

■ GS mode drum set (1)

	PC 1 / PC 33 STANDARD / JAZZ	PC 9 ROOM	PC 17 POWER	PC 25 ELECTRONIC	PC 26 TR-808	PC 41 BRUSH	PC 49 ORCHESTRA
25	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----
27	High Q	<-	<-	<-	<-	<-	Closed Hi-hat
28	Slap	<-	<-	<-	<-	<-	Pedal Hi-hat
29	Scratch Push	<-	<-	<-	<-	<-	Open Hi-hat
30	Scratch Pull	<-	<-	<-	<-	<-	Ride Cymbal1
31	Sticks	<-	<-	<-	<-	<-	<-
32	Square Click	<-	<-	<-	<-	<-	<-
33	Metronome Click	<-	<-	<-	<-	<-	<-
34	Metronome Bell	<-	<-	<-	<-	<-	<-
35	Kick Drum2 / Jazz	<-	<-	<-	<-	Jazz BD2	Concert BD2
C2 36	Kick Drum1 / Jazz	<-	MONDO Kick	Elec BD	808 Bass Drum	Jazz BD1	Concert BD1
37	Side Stick	<-	<-	<-	808 Rim Shot	<-	<-
38	Snare Drum1	<-	Gated SD	Elec SD	808 Snare Drum	Brush Tap	Concert SD
39	Hand Clap	<-	<-	<-	<-	Brush Slap	Castanets
40	Snare Drum2	<-	<-	Gated SD	<-	Brash Swirl	Concert SD
41	Low Tom2	Room Low	Room Low	Elec Low Tom2	808 Low Tom2	<-	Timpani F
42	Closed Hi-hat	<-	<-	<-	808 CHH	<-	Timpani F#
43	Low Tom1	Room Low	Room Low	Elec Low Tom1	808 Low Tom1	<-	Timpani G
44	Pedal Hi-hat	<-	<-	<-	808 CHH	<-	Timpani G#
45	Mid Tom2	Room Mid Tom2	Room Mid Tom2	Elec Mid Tom2	808 Mid Tom2	<-	Timpani A
46	Open Hi-hat	<-	<-	<-	808 OHH	<-	Timpani A#
47	Mid Tom1	Room Mid Tom1	Room Mid Tom1	Elec Mid Tom1	808 Mid Tom1	<-	Timpani B
C3 48	High Tom2	Room Hi Tom2	Room Hi Tom2	Elec Hi Tom2	808 Hi Tom2	<-	Timpani c
49	Crash Cymbal1	<-	<-	<-	808 Cymbal	<-	Timpani c#
50	High Tom1	Room Hi Tom1	Room Hi Tom1	Elec Hi Tom1	808 Hi Tom1	<-	Timpani d
51	Ride Cymbal1	<-	<-	<-	<-	<-	Timpani d#
52	Chinese Cymbal	<-	<-	Reverse Cymbal	<-	<-	Timpani e
53	Ride Bell	<-	<-	<-	<-	<-	Timpani f
54	Tambourine	<-	<-	<-	<-	<-	<-
55	Splash Cymbal	<-	<-	<-	<-	<-	<-
56	Cowbell	<-	<-	<-	808 Cowbell	<-	<-
57	Crash Cymbal2	<-	<-	<-	<-	<-	Concert
58	Vibra-slap	<-	<-	<-	<-	<-	<-
59	Ride Cymbal2	<-	<-	<-	<-	<-	Concert
C4 60	High Bongo	<-	<-	<-	<-	<-	<-
61	Low Bongo	<-	<-	<-	<-	<-	<-
62	Mute High Conga	<-	<-	<-	808 High Conga	<-	<-
63	Open High Conga	<-	<-	<-	808 Mid Conga	<-	<-
64	Low Conga	<-	<-	<-	808 Low Conga	<-	<-
65	High Timbale	<-	<-	<-	<-	<-	<-
66	Low Timbale	<-	<-	<-	<-	<-	<-
67	High Agogo	<-	<-	<-	<-	<-	<-
68	Low Agogo	<-	<-	<-	<-	<-	<-
69	Cabasa	<-	<-	<-	<-	<-	<-
70	Maracas	<-	<-	<-	808 Maracas	<-	<-
71	Short Hi Whistle	<-	<-	<-	<-	<-	<-
C5 72	Long Low Whistle	<-	<-	<-	<-	<-	<-
73	Short Guiro	<-	<-	<-	<-	<-	<-
74	Long Guiro	<-	<-	<-	<-	<-	<-
75	Claves	<-	<-	<-	808 Claves	<-	<-
76	High Wood Block	<-	<-	<-	<-	<-	<-
77	Low Wood Block	<-	<-	<-	<-	<-	<-
78	Mute Cuica	<-	<-	<-	<-	<-	<-
79	Open Cuica	<-	<-	<-	<-	<-	<-
80	Mute Triangle	<-	<-	<-	<-	<-	<-
81	Open Triangle	<-	<-	<-	<-	<-	<-
82	Shaker	<-	<-	<-	<-	<-	<-
83	Jingle Bell	<-	<-	<-	<-	<-	<-
C6 84	Bell Tree	<-	<-	<-	<-	<-	<-
85	Castanets	<-	<-	<-	<-	<-	<-
86	Mute Surdo	<-	<-	<-	<-	<-	<-
87	Open Surdo	<-	<-	<-	<-	<-	<-
88	----	----	----	----	----	----	Applause

■ GS mode drum set (2)



	PC 57 SFX
35	----
C2 36	----
37	----
38	----
39	High Q
40	Slap
41	Scratch Push
42	Scratch Pull
43	Sticks
44	Square Click
45	Metronome Click
46	Metronome Bell
47	Guitar Fret Noise
C3 48	Guitar cutting
49	Guitar cutting
50	String slap of double
51	Fl.Key Click
52	Laughing
53	Scream
54	Punch
55	Heart Beat
56	Footsteps1
57	Footsteps2
58	Applause
59	Door Creaking
C4 60	Door
61	Scratch
62	Wind Chimes
63	Car-Engine
64	Car-Stop
65	Car-Pass
66	Car-Crash
67	Siren
68	Train
69	Jetplane
70	Helicopter
71	Starship
C5 72	Gun Shot
73	Machine Gun
74	Lasergun
75	Explosion
76	Dog
77	Horse-Gallop
78	Birds
79	Rain
80	Thunder
81	Wind
82	Seashore
83	Stream
C6 84	Bubble
85	----
86	----
87	----
88	----
89	----
90	----
91	----
92	----
93	----
94	----
95	----

Drum set list (XGlite mode)

PC	MSB	LSB	XG Set	MSB	LSB	XG Set
001	127	0	Standard Kit	126	0	SFX Kit 1
002	127	0	Standard Kit 2	126	0	SFX Kit 2
009	127	0	Room Kit			
017	127	0	Rock Kit			
025	127	0	Electro Kit			
026	127	0	Analog Kit			
033	127	0	Jazz Kit			
041	127	0	Brush Kit			
049	127	0	Classic Kit			

■ XGlite mode drum set (1)

* *BANK MSB=127, LSB=0*

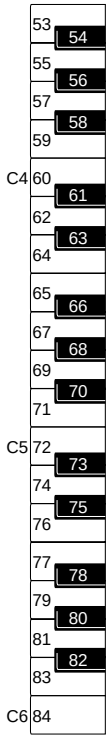
	PC001 Standard Kit	PC002 Standard Kit 2	PC009 Room Kit	PC017 Rock Kit	PC025 Electro Kit
C0 12	Surdo Mute	<-	<-	<-	<-
13	Surdo Open	<-	<-	<-	<-
14	Hi Q	<-	<-	<-	<-
15	Whip Slap	<-	<-	<-	<-
16	Scratch H	<-	<-	<-	<-
17	Scratch L	<-	<-	<-	<-
18	Finger Snap	<-	<-	<-	<-
19	Click Noise	<-	<-	<-	<-
20	Metronome Click	<-	<-	<-	<-
21	Metronome Bell	<-	<-	<-	<-
22	Seq Click L	<-	<-	<-	<-
23	Seq Click H	<-	<-	<-	<-
C1 24	Brush Tap	<-	<-	<-	<-
25	Brush Swirl	<-	<-	<-	<-
26	Brush Slap	<-	<-	<-	<-
27	Brush Tap Swirl	<-	<-	<-	Reverse Cymbal
28	Snare Roll	Snare Roll 2	<-	<-	<-
29	Castanet	<-	<-	<-	Hi Q 2
30	Snare Soft	Snare Soft 2	<-	Snare Noisy	Snare Snappy Elec-
31	Sticks	<-	<-	<-	<-
32	Kick Soft	<-	<-	Kick Tight 2	Kick 3
33	Open Rim Shot	Open Rim Shot H	<-	<-	<-
34	Kick Tight	Kick Tight Short	<-	Kick 2	Kick Gate
35	Kick	Kick Short	<-	Kick Gate	Kick Gate Heavy
C2 36	Side Stick	<-	<-	<-	<-
37	Snare	Snare Short	Snare Snappy	Snare Rock	Snare Noisy 2
38	Hand Clap	<-	<-	<-	<-
39	Snare Tight	Snare Tight H	Snare Tight Snappy	Snare Rock Rim	Snare Noisy 3
40	Floor Tom L	<-	Tom Room 1	Tom Rock 1	Tom Electro 1
41	Hi-Hat Closed	<-	<-	<-	<-
42	Floor Tom H	<-	Tom Room 2	Tom Rock 2	Tom Electro 2
43	Hi-Hat Pedal	<-	<-	<-	<-
44	Low Tom	<-	Tom Room 3	Tom Rock 3	Tom Electro 3
45	Hi-Hat Open	<-	<-	<-	<-
46	Mid Tom L	<-	Tom Room 4	Tom Rock 4	Tom Electro 4
47	Mid Tom H	<-	Tom Room 5	Tom Rock 5	Tom Electro 5
C3 48	Crash Cymbal 1	<-	<-	<-	<-
49	High Tom	<-	Tom Room 6	Tom Rock 6	Tom Electro 6
50	Ride Cymbal 1	<-	<-	<-	<-
51	Chinese Cymbal	<-	<-	<-	<-
52	Ride Cymbal Cup	<-	<-	<-	<-
53	Tambourine	<-	<-	<-	<-
54	Splash Cymbal	<-	<-	<-	<-
55	Cowbell	<-	<-	<-	<-
56	Crash Cymbal 2	<-	<-	<-	<-
57	Vibraslap	<-	<-	<-	<-
58	Ride Cymbal 2	<-	<-	<-	<-
59	Bongo H	<-	<-	<-	<-
C4 60	Bongo L	<-	<-	<-	<-
61	Conga H Mute	<-	<-	<-	<-
62	Conga H Open	<-	<-	<-	<-
63	Conga L	<-	<-	<-	<-
64	Timbale H	<-	<-	<-	<-
65	Timbale L	<-	<-	<-	<-
66	Agogo H	<-	<-	<-	<-
67	Agogo L	<-	<-	<-	<-
68	Cabasa	<-	<-	<-	<-
69	Maracas	<-	<-	<-	<-
70	Samba Whistle H	<-	<-	<-	<-
71					

	PC001 Standard Kit	PC002 Standard Kit 2	PC009 Room Kit	PC017 Rock Kit	PC025 Electro Kit
C5 72	Samba Whistle L	<-	<-	<-	<-
73	Guiro Short	<-	<-	<-	<-
74	Guiro Long	<-	<-	<-	<-
75	Claves	<-	<-	<-	<-
76	Wood Block H	<-	<-	<-	<-
77	Wood Block L	<-	<-	<-	<-
78	Cuica Mute	<-	<-	<-	Scratch H 2
79	Cuica Open	<-	<-	<-	Scratch L 2
80	Triangle Mute	<-	<-	<-	<-
81	Triangle Open	<-	<-	<-	<-
82	Shaker	<-	<-	<-	<-
83	Jingle Bells	<-	<-	<-	<-
C6 84	Bell Tree	<-	<-	<-	<-

■ XGlite mode drum set (2)

* *BANK MSB=127, LSB=0*

	PC001 Standard Kit	PC026 Analog Kit	PC033 Jazz Kit	PC041 Brush Kit	PC049 Classic Kit
C0 12	Surdo Mute	<-	<-	<-	<-
13	Surdo Open	<-	<-	<-	<-
14	Hi Q	<-	<-	<-	<-
15	Whip Slap	<-	<-	<-	<-
16	Scratch H	<-	<-	<-	<-
17	Scratch L	<-	<-	<-	<-
18	Finger Snap	<-	<-	<-	<-
19	Click Noise	<-	<-	<-	<-
20	Metronome Click	<-	<-	<-	<-
21	Metronome Bell	<-	<-	<-	<-
22	Seq Click L	<-	<-	<-	<-
23	Seq Click H	<-	<-	<-	<-
C1 24	Brush Tap	<-	<-	<-	<-
25	Brush Swirl	<-	<-	<-	<-
26	Brush Slap	<-	<-	<-	<-
27	Brush Tap Swirl	Reverse Cymbal	<-	<-	<-
28	Snare Roll	<-	<-	<-	<-
29	Castanet	Hi Q 2	<-	<-	<-
30	Snare Soft	Snare Noisy 4	<-	Brush Slap 2	<-
31	Sticks	<-	<-	<-	<-
32	Kick Soft	Kick Tight 2	<-	<-	Kick Soft 2
33	Open Rim Shot	<-	<-	<-	<-
34	Kick Tight	Kick Analog Short	<-	<-	Gran Cassa
35	Kick	Kick Analog	Kick Jazz	Kick Small	Gran Cassa Mute
C2 36	Side Stick	Side Stick Analog	<-	<-	<-
37	Snare	Snare Analog	<-	Brush Slap 3	Band Snare
38	Hand Clap	<-	<-	<-	<-
39	Snare Tight	Snare Analog 2	<-	Brush Tap 2	Band Snare 2
40	Floor Tom L	Tom Analog 1	Tom Jazz 1	Tom Brush 1	Tom Jazz 1
41	Hi-Hat Closed	Hi-Hat Closed Ana-	<-	<-	<-
42	Floor Tom H	Tom Analog 2	Tom Jazz 2	Tom Brush 2	Tom Jazz 2
43	Hi-Hat Pedal	Hi-Hat Closed Ana-	<-	<-	<-
44	Low Tom	Tom Analog 3	Tom Jazz 3	Tom Brush 3	Tom Jazz 3
45	Hi-Hat Open	Hi-Hat Open Analog	<-	<-	<-
46	Mid Tom L	Tom Analog 4	Tom Jazz 4	Tom Brush 4	Tom Jazz 4
47	Mid Tom H	Tom Analog 5	Tom Jazz 5	Tom Brush 5	Tom Jazz 5
C3 48	Crash Cymbal 1	Crash Analog	<-	<-	Hand Cymbal
49	High Tom	Tom Analog 6	Tom Jazz 6	Tom Brush 6	Tom Jazz 6
50	Ride Cymbal 1	<-	<-	<-	Hand Cymbal Short
51	Chinese Cymbal	<-	<-	<-	<-
52					



PC001 Standard Kit	PC026 Analog Kit	PC033 Jazz Kit	PC041 Brush Kit	PC049 Classic Kit
Ride Cymbal Cup	<-	<-	<-	<-
Tambourine	<-	<-	<-	<-
Splash Cymbal	<-	<-	<-	<-
Cowbell	Cowbell Analog	<-	<-	<-
Crash Cymbal 2	<-	<-	<-	Hand Cymbal 2
Vibraslap	<-	<-	<-	<-
Ride Cymbal 2	<-	<-	<-	Hand Cymbal 2 Short
Bongo H	<-	<-	<-	<-
Bongo L	<-	<-	<-	<-
Conga H Mute	Conga Analog H	<-	<-	<-
Conga H Open	Conga Analog M	<-	<-	<-
Conga L	Conga Analog L	<-	<-	<-
Timbale H	<-	<-	<-	<-
Timbale L	<-	<-	<-	<-
Agogo H	<-	<-	<-	<-
Agogo L	<-	<-	<-	<-
Cabasa	<-	<-	<-	<-
Maracas	Maracas 2	<-	<-	<-
Samba Whistle H	<-	<-	<-	<-
Samba Whistle L	<-	<-	<-	<-
Guiro Short	<-	<-	<-	<-
Guiro Long	<-	<-	<-	<-
Claves	Claves 2	<-	<-	<-
Wood Block H	<-	<-	<-	<-
Wood Block L	<-	<-	<-	<-
Cuica Mute	Scratch H 2	<-	<-	<-
Cuica Open	Scratch L 3	<-	<-	<-
Triangle Mute	<-	<-	<-	<-
Triangle Open	<-	<-	<-	<-
Shaker	<-	<-	<-	<-
Jingle Bells	<-	<-	<-	<-
Bell Tree	<-	<-	<-	<-

■ XGlite mode drum set (3)

* *BANK MSB=126, LSB=0*

		PC001	PC002
		SFX Kit 1	**SFX Kit 2**
C2	36	Cutting Noise	---
	37	Cutting Noise 2	Door Squeak
	38	---	Door Slam
	39	String Slap	Scratch Cut
	40	---	Scratch H 3
	41	---	Wind Chime
	42	---	Telephone Ring 2
	43	---	---
	44	---	---
	45	---	---
	46	---	---
	47	---	---
C3	48	---	---
	49	---	---
	50	---	---
	51	---	---
	52	Flute Key Click	Car Engine Igni-
	53	---	Car Tires Squeal
	54	---	Car Passing
	55	---	Car Crash
	56	---	Siren
	57	---	Train
	58	---	Jet Plane
	59	---	Starship
C4	60	---	Burst
	61	---	Roller Coaster
	62	---	Submarine
	63	---	---
	64	---	---
	65	---	---
	66	---	---
	67	---	---
	68	Shower	Laugh
	69	Thunder	Scream
	70	Wind	Punch
	71	Stream	Heart Beat
C5	72	Bubble	Foot Steps
	73	---	---
	74	---	---
	75	---	---
	76	---	---
	77	---	---
	78	---	---
	79	---	---
	80	---	---
	81	---	---
	82	---	---
	83	---	---
C6	84	Dog	Machine Gun
	85	Horse	Laser Gun
	86	Bird Tweet 2	Explosion
	87	---	Firework
	88	---	---
	89	---	---
	90	Ghost	---

STUDIO CANVAS
Model :SD-20
(GM2/Native/GS mode)

Date : April 1, 2001
Version : 1.00

MIDI Implementation Chart

Function...		Transmitted	Recognized	Remarks
Basic	Default	X	1–16	
Channel	Changed	X	1–16	
Mode	Default	X	Mode 3	
	Messages	X	Mode 3, 4 (M = 1)	* 2
	Altered	**********		
Note Number :	True Voice	X **********	0–127 0–127	
Velocity	Note On	X	O	
	Note Off	X	O	
After Touch	Key's	X	O *1	
	Channel's	X	O *1	
Pitch Bend		O	O *1	
Control Change	0, 32	X	O *1	Bank select
	1	X	O *1	Modulation
	5	X	O *1	Portamento time
	6, 38	X	O *1	Data entry
	7	X	O *1	Volume
	10	X	O *1	Panpot
	11	X	O *1	Expression
	64	X	O *1	Hold 1
	65	X	O *1	Portamento
	66	X	O *1	Sostenuto
	67	X	O *1	Soft
	71	X	O *1	Resonance
	72	X	O *1	Release Time
	73	X	O *1	Attack Time
	74	X	O *1	Cutoff
	75	X	O *1	Decay Time
	76	X	O *1	Vibrato Rate
	77	X	O *1	Vibrato Depth
	78	X	O *1	Vibrato Delay
	84	X	O *1	Portamento control
	91	X	O (Reverb) *1	General purpose effects 1
	93	X	O (Chorus) *1	General purpose effects 3
	98, 99	X	O *1	NRPN LSB, MSB
	100, 101	X	O *1	RPN LSB, MSB
Program Change	: True Number	X **********	O *1 0–127	Program No. 1–128
System Exclusive		O	O *1	
System Common	: Song Position	X	X	
	: Song Select	X	X	
	: Tune Request	X	X	
System Real Time	: Clock	X	X	
	: Commands	X	X	
Aux Messages	: All Sound Off	X	O (120, 126, 127)	
	: Reset All Controllers	X	O	
	: Local On/Off	X	X	
	: All Notes Off	X	O (123–127)	
	: Active Sensing	O	O	
	: System Reset	X	X	
Notes		* 1 O X is selectable. * 2 Recognized as M=1 even if M≠1.		

Mode 1 : OMNI ON, POLY
Mode 2 : OMNI ON, MONO
Mode 3 : OMNI OFF, POLY
Mode 4 : OMNI OFF, MONO

O : Yes
X : No

Specifications

■ Model: Studio Canvas SD-20 (General MIDI2 / GS format / XGlite format)

●Number of Parts

32

●Maximum Polyphony

64 voices

●Internal Sounds

Sound Maps: 3 (Classical, Contemporary,Solo)
Internal Sounds: 660
Drum Sound sets: 23

●Effects

System Effects: Reverb (6 types)
Chorus (6 types)

●Display

Power indicator
USB indicator
OUTPUT Level indicator
Mode indicator

●Connectors

MIDI connector (IN)
USB connector
Serial connector
Digital Audio OUT connector
OPTICAL type (conforms to S/P DIF)
Audio Input jack (stereo miniature phone type)
Audio Output jacks L, R (RCA phono type)
Headphones jack (stereo miniature phone type)

●Power Supply

DC 9 V (AC adaptor)

●Current Draw

500 mA

●Dimensions

203 (W) x 159 (D) x 35 (H) mm
8 (W) x 6-5/16 (D) x 1-7/16 (H) inches

●Weight

0.4 kg
15 oz

●Accessories

USB cable
Conversion cable
(stereo miniature phone type <-> RCA phono type)
AC adaptor
Owner's Manual
CD-ROM

●Options

Computer cable
- RS-232C
- RS-422

* *0 dBu = 0.775 V rms*

* *In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.*

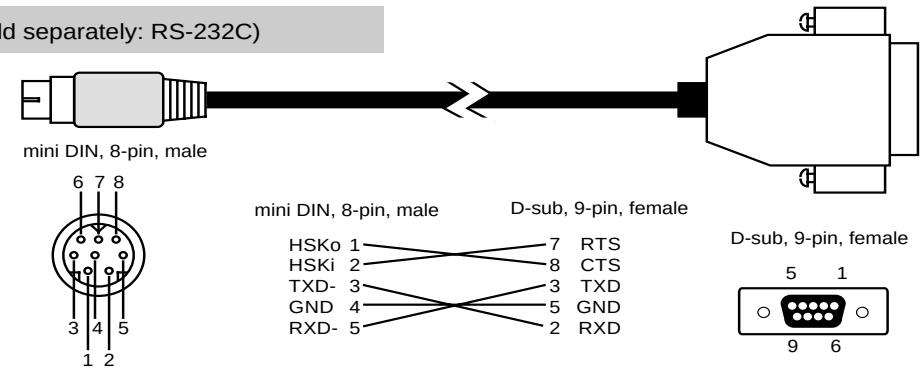
*

MEMO

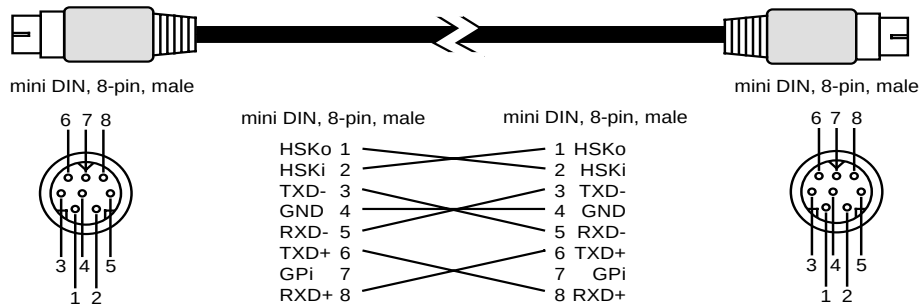
MEMO

Computer Cable Wiring Diagrams

For PC (9-pin) (Sold separately: RS-232C)



For Apple Macintosh (Sold separately: RS-422)



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